

**California Department of Transportation
Stormwater Management Program
District 12 Work Plan**

Fiscal Year

2018-2019

CTSW-RT-17-316.11.1



California Department of Transportation
Division of Environmental Analysis
Stormwater Management Program
1750 East 4th Street, Santa Ana, California 92705
<http://www.dot.ca.gov/hq/env/stormwater>

October 1, 2017



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**California Department of Transportation
District 12 Certification
District Work Plan 2018-19**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment of knowing violations. [40 CFR 122.22(d)]



Ryan Chamberlain

District 12

8/30/17

Date

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1 Introduction

General Information about the District Work Plan

The District Work Plans (DWP) describe the organization of each California Department of Transportation (Caltrans) District's stormwater program and outline the planned stormwater activities for the upcoming fiscal year. They are prepared and submitted on October 1 each year. Since the DWP is District-specific, each Regional Water Quality Control Board (RWQCB or Regional Board) is provided a copy of the DWPs relevant to their jurisdiction.

This DWP presents information about District 12's water bodies, Best Management Practices (BMPs), and monitoring programs. It describes how the District will specifically implement the requirements of the Statewide Stormwater Management Plan (SWMP) during fiscal year 2018-19. Implementation activities will be conducted in accordance with the procedures presented in the SWMP. In addition, this DWP fulfills Provision E.3.b of the *National Pollutant Discharge Elimination System (NPDES) Statewide Storm Water Permit Waste Discharge Requirements (WDRs) for State of California Department of Transportation* (Order Number 2012-0011-DWQ, NPDES Number CAS000003, Effective July 1, 2013) (NPDES Permit). The NPDES Permit was amended by Orders WQ 2014-0006-EXEC (January 17, 2014), WQ 2014-007-DWQ (May 20, 2014), and WQ 2015-0036-EXEC (April 7, 2015). A conformed NPDES Permit was issued on April 7, 2015 (Conformed NPDES Permit), available on the California State Water Resources Control Board's (SWRCB) website:

http://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2012/wq2012_0011_dwq_conformed_signed.pdf

The DWP's eight sections describe how the District plans to implement the stormwater program during the upcoming fiscal year. Section 1 introduces the DWP, describes its organizational structure, and identifies the key goals and commitments made by the District for the upcoming fiscal year. Section 2 describes the personnel with stormwater operations responsibilities in the District. In Section 3, the District's facilities are listed and categorized by type and location. Section 4 describes and identifies the high-risk locations where spills from the District's owned rights-of-way, roadways, or facilities can discharge directly to a drinking water reservoir or groundwater recharge facility. In Section 5, the District's road segments that are prone to erosion are identified. Section 6 summarizes the District's implementation activities, including projects that will be in the design and construction phases during the fiscal year, maintenance projects, and planned stormwater monitoring activities. Section 7 identifies the planned region-specific activities (if applicable) to address the requirements listed in Attachment V of the Conformed NPDES Permit. Section 8 identifies deviations that occurred from the prior DWP that resulted or will result in noncompliance with the Conformed NPDES Permit or SWMP and describes improvements performed in response to the incidents of noncompliance.

District Goals and Commitments

District 12 has a continuous training program for Design, Construction, Encroachment Permits, and Maintenance staff on stormwater issues. This training includes tailgate meetings and formal classes on specific stormwater management strategies and activities. The District will be coordinating with Caltrans Headquarters to ensure that the District will be in compliance with the Caltrans NPDES Permit in addition to implementing the Statewide SWMP, Total Maximum Daily Load (TMDL) Coordination, and the Areas of Special Biological Significance Compliance Plan.

In coordination with Caltrans Headquarters-developed policies, the District NPDES Stormwater Coordinator will ensure that District staff are updated with the Caltrans NPDES Permit requirements and provide adequate training to achieve compliance. This includes any updates to the TMDL program, the Caltrans SWMP, and the new Project Planning and Design Guide (PPDG).

The District will also:

- Continue to develop projects in the State Highway Operation and Protection Program 335 program for stormwater mitigation projects.
- Maintain an exchange of information with municipalities and Orange County to discuss regional water quality issues and resolve these stormwater issues with municipalities per the Caltrans NPDES permit requirements for municipal coordination.
- Attend Orange County Transportation Authority (OCTA) Measure M2 committee meetings for water quality retrofits.
- Work as a partner with OCTA, the Design Builder, and adjacent municipalities on the I-405 widening Design Build Project.
- Continue stormwater training on the 2016 PPDG, infiltration tool, ongoing construction, and Stormwater Pollution Prevention Plan (SWPPP) training.
- Review and update Facility Pollution Prevention Plans (FPPPs) for maintenance facilities.

Per the Caltrans Statewide NPDES permit Section E.3.b, District staff shall meet with the RWQCB staff on an annual basis prior to submittal of the workplans. District 12 staff met with the Santa Ana RWQCB staff on August 14, 2017 (via teleconference), and the San Diego RWQCB staff on August 16, 2017, at the District 12 offices to discuss the draft DWP and address any comments.

2 District Personnel and Responsibilities

Section 2 of the DWP describes positions, addresses, and telephone numbers of personnel with responsibilities for stormwater operations within the District. This section also identifies positions having signatory authority for various notifications or documents required for submittal by a District (e.g., Project Registration Documents, including Notices of Intent or NOIs).

District NPDES Stormwater Coordinator

Under the general direction of the Deputy District Director for Environmental Analysis, the District Stormwater Coordinator (DSWC) is responsible for developing District stormwater quality policies and guidance, and daily management of the District's stormwater quality program. The DSWC is responsible for identifying issues and developing recommendations related to stormwater quality, regulated wastes, and other environmental issues that affect the District. The DSWC supervises staff, which supports and executes activities of the DSWC and the Stormwater Program. The specific stormwater tasks for which the DSWC is responsible include the following:

- Provides guidance and direction for the preparation, development, and implementation of a comprehensive District Stormwater Program, as described in the DWP.
- Oversees activities related to notification procedures for reuse of soil containing lead in accordance with variances issued by the Department of Toxic Substances Control.
- Ensures the accuracy and adequacy of the stormwater workload allocations for each fiscal year.
- Coordinates and tracks resource distributions, workloads, and projects within the District.
- Assists the District's functional units in prioritizing, monitoring, tracking, and evaluating stormwater resources, activities, and operations.
- Implements a quality assurance and quality control program for monitoring the activities of the District's functional units, in order to ensure that the conditions of Caltrans' NPDES Permit, SWMP, and DWP are implemented properly.
- Provides guidance and direction necessary to develop strategies for addressing regulations and mandates on stormwater and waste discharges set forth by federal, state, and local regulatory agencies.
- Serves as primary contact on stormwater and waste discharge issues between the District and Headquarters, the RWQCBs, the U.S. Environmental Protection Agency, and other agencies.
- Represents the District at the Stormwater Advisory Teams (SWATs) identified in the SWMP.
- Monitors and evaluates the stormwater activities and procedures of municipalities, developers, and other agencies.
- Arbitrates disputes and disagreements on policies, activities, assignments, and responsibilities regarding stormwater issues.
- Establishes impartial and equitable decisions that benefit Caltrans in attaining the objectives of the Stormwater Program.
- Works as a leader and chairperson of the District NPDES Coordination Team.

NPDES Stormwater Unit

Under the direction of the DSWC, the NPDES Stormwater Unit provides technical support to District staff on water quality issues. The specific stormwater tasks for which the NPDES Stormwater Unit is responsible include the following:

- Evaluates and recommends temporary, permanent control, and treatment measures for addressing project stormwater impacts.
- Identifies costs related to water pollution control, non-stormwater discharges, and waste management on programming documents.
- Develops new specifications, details, and guidance materials related to non-stormwater discharges and waste management.
- Prepares contract specifications and estimates to address the development of SWPPPs.
- Prepares contract Plans, Specifications, and Estimates (PS&E) to address temporary controls for non-stormwater discharges and waste management activities.
- Prepares or assists in the preparation of the contract PS&E to include permanent control measures to improve or minimize water quality impacts.
- Assists the District Permits Branch in evaluating water quality impacts and requirements of encroachment permit applications.

Environmental Liaison

The Environmental Liaison (EL) is responsible for communicating with the DSWC for the proper implementation of the environmental portion of the SWMP and DWP. The EL ensures that the staff supports and properly executes the activities defined in the SWMP and DWP, especially the responsibilities applicable to the EL. The specific stormwater tasks for which the EL is responsible include the following:

- Evaluates stormwater impacts during California Environmental Quality Act and/or National Environmental Policy Act screening.
- Provides Water Quality Assessment Reports as determined by the Environmental Document.

The Environmental Liaison reports all stormwater-related environmental activities to the District NPDES Coordination Team.

Maintenance Stormwater Coordinator

The Maintenance Stormwater Coordinator (MSWC) is responsible for communicating with the District Division Chief of Maintenance and the DSWC regarding the proper implementation of maintenance-related sections of the SWMP and DWP. The MSWC reports all stormwater-related maintenance activities to the District NPDES Coordination team and coordinates stormwater training for maintenance staff as well as overseeing inspection of maintenance facilities and operations relative to Caltrans NPDES Permit compliance. The MSWC serves as the conduit for information between the District NPDES Coordination Team and the Maintenance Construction Coordinator.

Construction Stormwater Coordinator

Under the general direction of the Division of Construction, the Construction Stormwater Coordinator (CSWC) is responsible for facilitating proper implementation of the SWMP and the DWP in construction. The CSWC coordinates all issues that involve overall compliance within the District for stormwater

pollution prevention during the construction phase. The specific tasks for which the CSWC is responsible include the following:

- Reviews projects from the Project Initiation Document phase through the PS&E phase for concurrence with the temporary construction site BMPs strategy outlined in the SWDR.
- Coordinates and tracks water pollution control training of construction staff.
- Assists Resident Engineers with review of SWPPP and Water Pollution Control Program (WPCP).
- Assists the Construction Resident Engineer in providing the DSWC-approved SWPPPs to the RWQCBs as requested.
- Attends or schedules CSWC representatives to participate in Independent Quality Assurance inspections for SWPPP/WPCP projects.
- Prepares Water Pollution Control guidelines for construction staff.
- Tracks the filing of the Project Registration Documents in the Stormwater Multiple Application and Report Tracking System database for SWPPP projects.
- Supports the Construction Resident Engineer in preparing reports to DSWC for submittal to the RWQCBs as requested.
- Attends or schedules CSWC representatives to attend Quality Assurance Level II inspections for SWPPP/WPCP projects.
- Provides oversight on the submittal of discharge notices and other regulatory issues by the Resident Engineers.
- Represents Construction in the District's NPDES Coordination Team Meetings.
- Provides data to the DSWC for the District's Annual Report.
- Participates on the Construction SWAT as defined in the SWMP.
- Attends Headquarters quarterly Construction Industry Storm Water Subcommittee meetings.
- Attends or schedules CSWC representatives to attend Pre-Construction meetings to inform the contractors of SWPPP/ WPCP requirements for the projects.

The CSWC provides support to the Construction Resident Engineer to ensure that all enforcement actions or corrections requested by the Regional Boards are promptly implemented and documented. The CSWC serves as the primary conduit for information during the construction phase.

Right-of-Way Coordinator

The Right-of-Way (ROW) Coordinator for the District NPDES Coordination Team is responsible for the following:

- Attending all District NPDES Coordination Team meetings to report on ROW activities.
- Ensuring that stormwater training is available to ROW agents tasked with property inspection responsibilities.
- Ensuring that regular property inspections include stormwater inspections.
- Maintaining documentation of the inspection findings and corrective actions.

- Disseminating information and answering questions regarding Caltrans' stormwater policy to all ROW staff involved in stormwater inspections.
- Notifying the DSWC of discharges or situations that appear to be in violation of Caltrans' NPDES Permit, SWMP, or DWP.

Engineering Services (Hydraulics) Representative

The Engineering Services (Hydraulics) Representative (HR) is a member of the District NPDES Coordination Team and is responsible for providing information on permanent control measures, except those related to erosion control, which are being planned, designed, and implemented in projects. The HR ensures that the management and staff of the Hydraulics Branch know about the DWP and water pollution control efforts and commitments to minimize or prevent pollutants from being present in discharges. The HR ensures that the design processes used by the Hydraulics Branch are consistent with the DWP and the SWMP, especially those processes related to the evaluation, selection, and design of permanent control and treatment control measures.

Encroachment Permits Coordinator

The Encroachment Permits Coordinator is a member of the District NPDES Coordination Team and is responsible for ensuring that the District Office of Encroachment Permits complies with the Caltrans NPDES Permit, SWMP, and DWP. The Office of Encroachment Permits is responsible for issuing encroachment permits to local agencies, utility companies, and others (e.g., film production companies, marathon sponsors, etc.) requesting an encroachment into Caltrans' ROW for conducting construction, maintenance, or other activities consistent with their organization. The Encroachment Permits Coordinator ensures that all encroachment permits issued to those encroaching into Caltrans' ROW comply with the Caltrans NPDES Permit in a manner that is consistent with what is required of Maintenance, Construction, and Design.

Table 2-1 lists staff members responsible for implementing the Stormwater Program.

Table 2-1: District 12 Stormwater Personnel and Responsibilities

Staff Name	Title	Phone No.	E-mail	Responsibility
Grace Piña-Garrett	District NPDES/ Stormwater Coordinator	(657) 328-6159	grace.pina-garrett@ dot.ca.gov	Primary contact for all District NPDES/Stormwater issues. Oversees the District NPDES/Stormwater Unit and coordinates with the other NPDES/Stormwater functional units within the District.
Hector Salas	Environmental Specialist, Environmental Liaison	(657) 328-6163	hector.salas@ dot.ca.gov	Under the direction of the District's NPDES/Stormwater Coordinator, the Environmental Specialist ensures Caltrans NPDES Permit compliance from all functional units. Contacts and submits all information to the RWQCB; Environmental Liaison to the District NPDES/ Stormwater Coordinator. Reviews projects in the planning and environmental documentation phase. Prepares Technical Water Quality Documents for Caltrans projects.
Mark Doroudian	Construction Stormwater Coordinator	657) 328-6031	mark.doroudian@ dot.ca.gov	Assists Resident Engineers with review of SWPPP and WPCP. Liaison between field construction and the District NPDES Stormwater coordinator.
Richard Reed	Maintenance Stormwater Coordinator	(949) 279-9473	richard.reed@ dot.ca.gov	Liaison between Maintenance field crews and the District NPDES/ Stormwater Coordinator. Inspects Maintenance facilities and provides training to Maintenance field personnel.
Shahryar Deravi	Permits Coordinator	(657) 328-6403	shahryar.deravi@ dot.ca.gov	Permits Liaison to the District NPDES/Stormwater Coordinator. Reviews SWPPPs/WPCPs and conducts routine project inspections for Encroachment Permits. District 12 Permits liaison to Headquarters Office of Permits and other Districts' Stormwater Coordinators.
James Thornburg	Right of Way Coordinator	(657) 328-6347	james.thornburg@ dot.ca.gov	Conducts Airspace Lease Inspections for Water Quality.

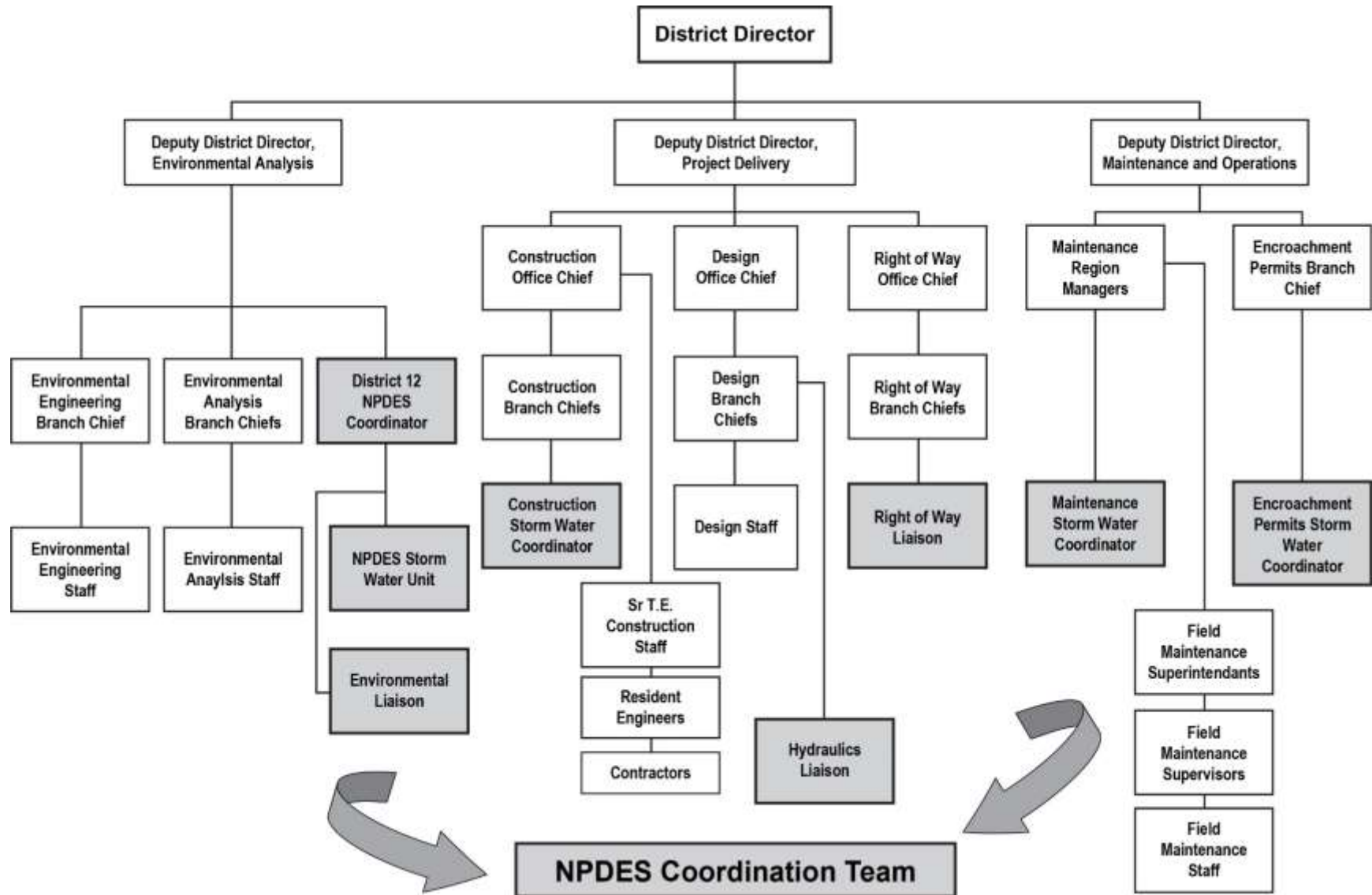
Table 2-2 lists individuals authorized to sign the documents, reports, and other information submitted by the District to either the SWRCB or the RWQCB(s). These individuals/positions may delegate authorization to their staff to sign various documents and reports required for implementation of the Stormwater Program. It also includes delegation of signatory authority for key Conformed NPDES Permit and SWMP-required documents.

Table 2-2: District 12 Signatory Authority for Key Documents

Position or Individual	Phone No.	E-mail	Documents Authorized for Signatures
Ryan Chamberlain, District Director	(657) 328-6001	ryan.chamberlain@dot.ca.gov	All District Documents
Chris Flynn, Deputy District Director, Environmental Analysis	(949) 279-8559	chris.flynn@dot.ca.gov	All District Documents except the DWP
Grace Piña-Garrett, DSWC	(657) 328-6159	grace.pina-garrett@dot.ca.gov	All District Documents except the DWP
Resident Engineers			SWPPP, NOI, Notice of Termination, Notice and Non-Compliance Reporting, Discharge or threat of Discharge Notification, Incident Report Form
Majid Javaherneshan Office Chief (acting), Construction	(949) 289-3551	majid.javaherneshan@dot.ca.gov	Backup Legally Responsible Person
Reza Aurasteh, Branch Chief, Environmental Engineer	(657) 328-6138	reza.aurasteh@dot.ca.gov	Notice of Soil Reuse with Aerially Deposited Lead
Richard Reed/ Maintenance Storm Water Coordinator	(949) 279-9473	richard.reed@dot.ca.gov	FPPPs

Figure 2-1 shows an organizational chart describing key persons with responsibilities for stormwater operations within the District.

Figure 2-1: District 12 Organizational Chart



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3 District Facilities and Water Bodies

Section 3 of the DWP identifies maintenance stations (including crew functions and street addresses), vista points, commercial vehicle enforcement areas, roadside rest areas, park and ride facilities, toll road and bridge plazas, equipment shops, and other Caltrans facilities. Facility Pollution Prevention Plans (FPPPs) are prepared and implemented at Maintenance facilities within the District's boundaries, such as maintenance stations, material storage facilities, and equipment shops. To comply with Department of Homeland Security policy, the table and map identifying these facilities is not available to the public. For more information, contact Caltrans' Office of Emergency Management or Division of Environmental Analysis.

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4 Drinking Water Reservoirs and Recharge Facilities

Section 4 of the DWP describes and identifies the high-risk areas, which are locations where spills or other releases from District-owned rights-of-way, roadways, or facilities may discharge directly to municipal or domestic water supply reservoirs or groundwater percolation facilities. Projects that potentially drain to these high-risk areas consider project features that enhance spill response.

Drinking water reservoirs and recharge facilities are areas such as locations where spills from District-owned ROWs or facilities can discharge directly to municipal or domestic water supply reservoirs or ground water percolation facilities. To generate the list of municipal, domestic water supply reservoirs, and groundwater percolation facilities, the District first contacted known public and private water supply providers. From the information received, the District determined which facilities were susceptible to a direct spill from a District activity or facility. This determination was based on proximity between the water body and the District's facility, use characteristics of the facility, and the probable spill response time.

When planning projects within these defined areas, District 12 considers project design features for aiding in the prevention of accidental spills that could impact the area; these features are typically commensurate with safety improvements for reducing vehicle accidents. Examples of these features may include, but are not limited to, median barrier, guardrail, signalization, and vehicle restrictions. Features considered for improving spill response time typically include elongated drainage paths, call boxes, signage, or video surveillance.

A list of drinking water reservoirs and recharge facilities within District 12 is presented in Table 4-1.

Table 4-1: District 12 Drinking Water Reservoirs and Recharge Facilities

Road Segment/ Facility	County	Regional Board	Drinking Water Reservoir or Recharge Facility Area	Description	Comments
SR-91, PM008.57/ 018.91 SR-90 PM 12.7/ 12.8	Orange	Santa Ana	Santa Ana River Recharge Basins/ Orange County Water District	<p>The Orange County Water District (OCWD) is responsible for managing the underground water reserves that supply about 500 wells within district boundaries. About 270,000 acre-feet of water is pumped for use each year. Groundwater reserves are maintained by a recharge system, which replaces water pumped from wells. OCWD's facilities have a recharge capacity of approximately 300,000 acre-feet per year. About two million people depend on this source for more than three-quarters of their water.</p> <p>Along a six-mile section of the Santa Ana River that belongs to OCWD, a system of diversion structures and recharge basins captures most of the water that would otherwise flow into the Pacific Ocean. The District has 1,500 acres of land for use in its recharge program.</p> <p>SR-91 is parallel to the Santa Ana River, upstream from the OCWD Recharge Basins and discharges directly into the Santa Ana River. SR-90 (Imperial Highway) crosses the Santa Ana River upstream from the OCWD Recharge Basins</p>	-

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5 Slopes Prone to Erosion

Section 5 of the DWP identifies the road segments within District 12 that have slopes which are prone to erosion and sediment discharge. The road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, will be prioritized for implementing appropriate controls to the maximum extent practicable. In each Annual Report, the status of stabilization activities where applicable will be reported. Table 5-1 is District 12's inventory of vulnerable road segments where erosion occurs and stabilization may be required, or where rock cut slopes are located and rock falls have occurred.

Table 5-1: District 12 Inventory of Road Segments Prone to Erosion

Road Segment	County	Regional Board	Watershed	Scheduled Stabilization Date
1	ORA	8	Newport Coast	TBD
57	ORA	8	Carbon Creek	TBD
74	ORA	9	San Juan Creek	TBD
133	ORA	9	Laguna Canyon	TBD
142	ORA	8	Carbon Canyon Creek	TBD
241	ORA	8	San Diego Creek	TBD

Figure 5-1 is a map showing California State Highway System areas that required maintenance within District 12 in 2017, including rock cut slopes, landslides, and moderate soil erosion.

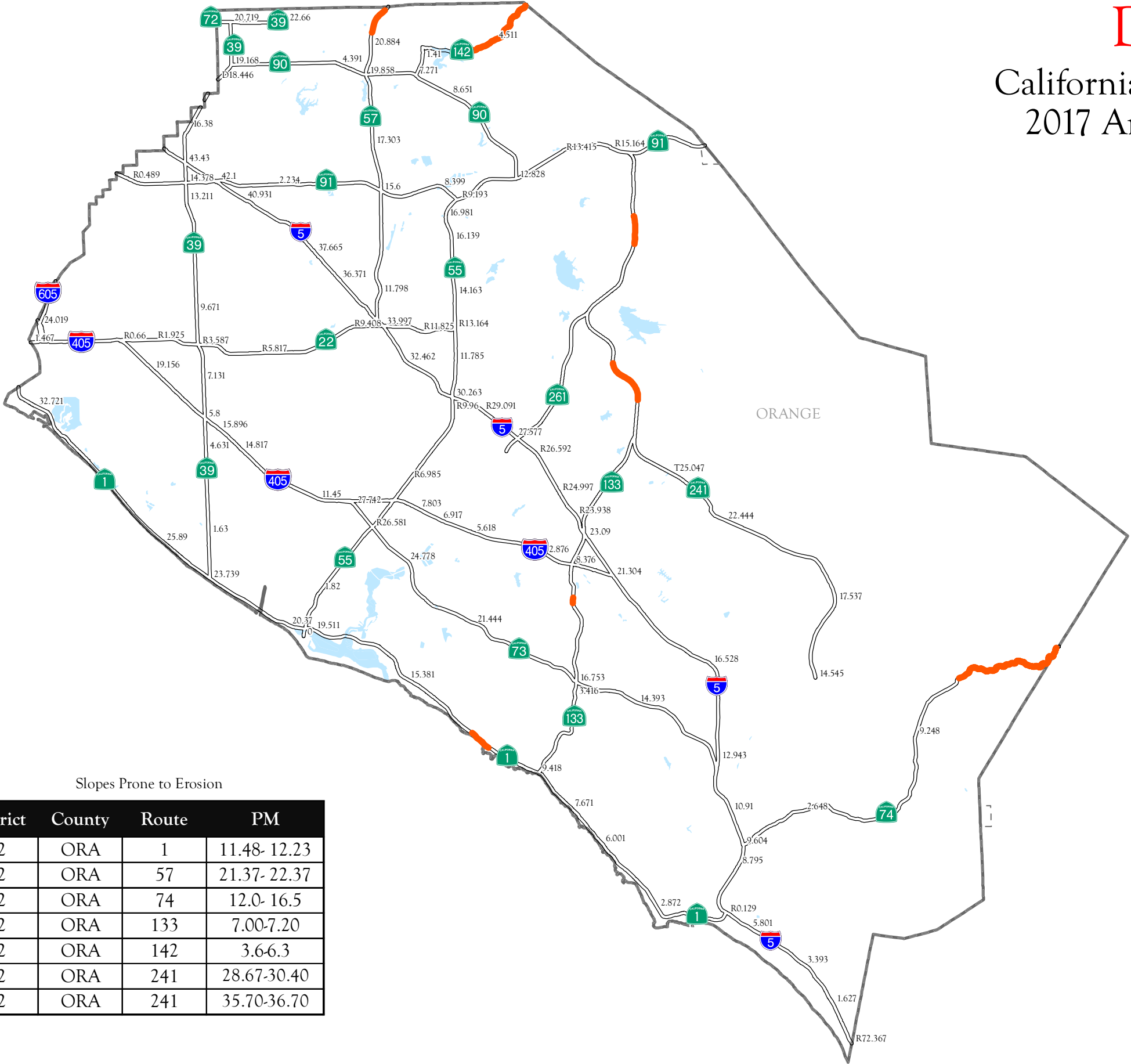
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Figure 5-1

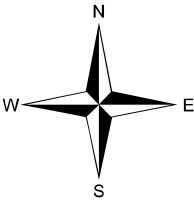
District 12

California State Highway System 2017 Areas Prone to Erosion

- Areas Prone to Erosion
- County Boundary
- Water Feature



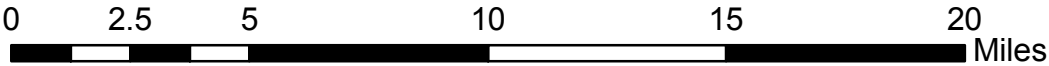
NOTE:
Map indicates locations of Major/Minor storm damage repair activities conducted on three (3) consecutive years by the Division of Maintenance. Erosion data obtained from IMMS.



State of California
Department of Transportation
Division of Maintenance GIS
July 19, 2017

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Slopes Prone to Erosion			
District	County	Route	PM
12	ORA	1	11.48- 12.23
12	ORA	57	21.37- 22.37
12	ORA	74	12.0- 16.5
12	ORA	133	7.00-7.20
12	ORA	142	3.6-6.3
12	ORA	241	28.67-30.40
12	ORA	241	35.70-36.70



Caltrans District Boundary



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6 Implementation

Section 6 of the DWP identifies the specific projects in which work is planned during the fiscal year within the Project Approval/Environmental Document (PA/ED), PS&E, and Construction development phases. The anticipated schedule of construction and maintenance projects is subject to change. These projects are limited to those meeting any of the following criteria:

1. All projects that require soil disturbing activities
2. Adjacent to a Drinking Water or Groundwater Recharge Facility, as described in Section 4 of the DWP
3. A supplemental environmental project
4. Additional projects per agreement between the District and local RWQCB

Projects listed in Table 6-1 include (where applicable):

1. Location (county, route, and post mile limits)
2. Project number (expense authorization)
3. Basic Project Description
4. Disturbed soil area
5. Presence of receiving waters within or adjacent to project limits, with special designation for 303(d) listed water bodies (adopted)
6. Drinking Water Reservoir or Groundwater Recharge Facility within or adjacent to project (as identified in Section 4 of the DWP)
7. Projected milestone dates of PA/ED, PS&E, begin Construction, and end Construction
8. Description of Construction Controls
9. Post-Construction Treatment Controls (types and quantities)
10. Dredge and fill (CWA-401) activities within the project
11. Other Regional Water Control Board Permits Required
12. Potential and Actual Impacts of Project's Discharge
13. Area of New Impervious Surface
14. Percentage of New Impervious Surface to Existing Impervious Surface

The updated lists of projects meeting these criteria will also be provided to the RWQCB annually on October 1. Furthermore, this section identifies planned maintenance projects with soil disturbance. Information associated with the project includes location, affected water body, and area of disturbance. In addition, this section also describes the planned stormwater monitoring activities within the District; however, these activities may be conducted jointly with other Districts and HQ. Consequently, the information contained in a DWP may be repeated in another DWP.

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Table 6-1: District 12 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description ^{2,3}	Water Bodies Within or Adjacent to Project Limits ⁴	Dredge and Fill Activities (Y/N/NA) ⁵	Other Regional Water Board Permits Required ⁶	Potential and Actual Impacts of Project's Discharge ⁷	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) ⁸	Post-Construction Treatment Control Type, Quantity ⁹	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
1	12-08990	ORA	001	5.3	5.4	9	Drainage Improvements in Laguna Bch from 10th Av to 9th Av	-	-	-	-	-	-	-	-	-	1/31/18	1/11/18	7/11/18	4/21/20
2	12-0H150	ORA	001	4.7	14.1	9	Upgrade ADA curb access ramp to current standards. in Orange County, SR-1 from 0.19 Mile South of Vista Del Sol to Newport Coast Dr.	Aliso Creek	-	-	-	0.84	0	-	WPCP	n/a	8/30/05	7/29/20	3/5/21	3/1/24
3	12-0L610	ORA	001	19.1	19.1	8	Construct Pedestrian Crossing. In Newport Beach, PCH at Maritime Training Center.	-	-	-	-	-	-	-	-	-	12/30/16	-	-	12/18/19
4	12-0M470	ORA	001	22.7	24.6	8	Modify TFC Signals & add Lighting.	Satna Ana River, Huntington Harbour, Talbert Channel, Huntington Beach Channel, Bolsa Chica Channel, Winterberg Channel	n/a	none	-	0.36	0	-	WPCP	-	6/28/13	5/13/16	11/9/16	5/28/19
5	12-0M820	ORA	001	7.9	10.5	9	Upgrade sidewalk & pedestrian facilities to ADA standards. In Orange County, on Route 1, between Ruby Street and Ledroit Street.	Boat Canyon, Laguna Canyon Channel, Bluebird Canyon Creek	n/a	none	-	1.4	-	-	SWPPP	n/a	8/7/17	3/26/19	12/31/19	6/24/22
6	12-0M990	ORA	001	9.31	9.39	9	Replace Box Culvert (Bridge) FCO	-	-	-	-	-	-	-	-	-	11/1/17	1/15/19	9/23/19	11/20/20
7	12-0N260	ORA	001	11.6	11.68	9	Storm Water Mitigation. Remove and Replace K-Rail to contain source control pollutants of eroding fines, sediments and rocks from bluff slopes	Pacific Ocean	n/a	none	-	0.29	0	-	WPCP	n/a	10/30/15	2/2/17	11/15/17	12/21/18
8	12-0N400	ORA	001	5.8	5.8	9	Install Light Guard System, Signing & Striping, And Ada Improvement. City of Laguna Beach, on PCH at Eagle Rock Way Rt/Table Rock Dr.	Pacific Ocean	n/a	none	-	0.01	0	-	WPCP	N/A	-	-	-	8/16/28

¹ Regional Board

² Supplemental Environmental Projects designated as “SEP.”

³ Projects adjacent to Drinking Water Reservoirs or Groundwater Recharge Facilities are noted (DW) and (GW), respectively.

⁴ Water bodies with a 303(d) designation are noted in parentheses.

⁵ If yes, a 401 permit will be required for this project. NA = Not Available at this time.

⁶ Regional Water Board Permits required other than Construction General Permit (CGP) and Clean Water Act Section 401 water quality certification, such as Waiver of Discharge Requirements, Dewatering Permits, Bridge Painting WDRs, etc.

⁷ This information may come from the Water Quality Assessment Report prepared for each project, a Water Quality Technical Memorandum, or other document that evaluates the water quality impacts of a project.

⁸ A description of the Construction Controls is available in the project’s SWPPP, WPCP, or is To Be Determined (TBD) if the Disturbed Soil Area is unavailable.

⁹ Treatment Control Status identified by: device type/number of devices, exempt (“E”), or under consideration (“C”). See Treatment Control Status Legend below for device type abbreviations.

Table 6-1: District 12 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description ^{2,3}	Water Bodies Within or Adjacent to Project Limits ⁴	Dredge and Fill Activities (Y/N/NA) ⁵	Other Regional Water Board Permits Required ⁶	Potential and Actual Impacts of Project's Discharge ⁷	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) ⁸	Post-Construction Treatment Control Type, Quantity ⁹	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
9	12-0N480	ORA	001	19.6	19.8	8	Reconstruct intersection West of its current location. In Newport Beach, Intersection of PCH & old Newport Blvd.	Newport Bay	n/a	none	-	1.63 (Alt 1) 0.73 (Alt 2)	0.04 (Alt 1) 0.17 (Alt 2)	2.5% (Alt 1) 10.4% (Alt 2)	WPCP/ SWPPP	TBD	8/31/17	8/23/18	-	8/24/21
10	12-0N850	ORA	001	0	0	9	Modify Signals & add Lighting In Seal Beach, at 6th St. & at Seal Beach BLVD.	-	-	-	-	-	-	-	-	-	1/22/18	8/2/18	11/25/19	2/4/22
11	12-0N910	ORA	001	18.4	18.4	8	Rebuild Failed Slope Paving & Bike Trail & Construct Slope Paving with Steel Sheet Pile.	Newport Bay	yes	401/404	-	0.16	0	0	WPCP	n/a	3/30/16	11/1/16	7/24/17	12/24/19
12	12-0N930	ORA	001	20.5	20.9	8	Drainage cleaning, Maint. Access & BMP Controls. In Newport beach from Superior Ave. to Semeniuk Slough.	Semeniuk Slough	Yes	401, 404	-	-	none	-	TBD	none	10/2/17	6/11/18	1/16/19	5/4/20
13	12-0P020	ORA	001	24.3	24.3	8	Modify Signal & Lighting, ADA Improvement. In Huntington Beach, at PCH & Huntington St.	Huntington Beach Channel	no	n/a	-	< 1.0	0	-	WPCP	n/a	12/30/16	4/5/17	11/10/17	3/10/20
14	12-0P140	ORA	001	19.8	21.5	8	Enc. per. to replace ex. planting & Irrigation, reconfigure left turn lane pocket and traffic signal at Hoag Dr.	-	n/a	n/a	-	> 1.0	0	-	SWPPP	n/a	8/1/17	-	-	8/1/19
15	12-0P590	ORA	001	29.9	33.7	8	Resurface & rehabilitate 27 lane miles. In Seal Beach, from Warner Ave. to Los Angeles/Orange County line.	Bolsa Chica Channel, Huntington Harbour	n/a	n/a	-	0.7	0	-	WPCP	n/a	10/1/19	4/28/21	12/24/21	4/11/24
16	12-0P660	ORA	001	12.2	13.3	9	Along NB PCH in the City of Newport Beach Stabilize bioswales.	Los Trancos Creek, Muddy Creek	No	none	-	-	0	0	-	-	6/6/19	2/28/20	11/25/20	9/20/22
17	12-0P680	ORA	001	13	33.6	8	Upgrade of the Traffic Signals equipment. In County of Orange, in the Cities of Newport Beach, Huntington Beach and Seal Beach, at 21 locations.	Anaheim Bay, Huntington Harbour, Newport Slough, Newport Bay, Upper Newport Bay, Santa Ana River, San Gabriel River	n/a	n/a	-	0.89	0	-	WPCP	n/a	11/1/19	4/1/21	1/7/22	2/24/25
18	12-0P690	ORA	001	5.5	7.9	9	Upgrade existing ADA curb ramps, widen sections of sidewalk and add APS systems within project limits. From 7th street to Moss street in Laguna Beach.	Aliso Creek, Hobo Canyon	n/a	n/a	-	1.72	-	-	SWPPP	n/a	10/30/18	6/4/20	2/24/21	4/18/25
19	12-0P710	ORA	001	12.9	33	8	Replace Existing Vehicle Signals and Mountings Various Intersections.	Los Trancos Creek, Muddy Creek, Newport Bay, Bolsa Bay and Anaheim Bay	n/a	n/a	-	< 1.0	0	-	WPCP	n/a	-	-	-	-

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		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
20	12-0Q280	ORA	001	27.04	29.89	8	Install outer Separation barrier, add shoulder rumble stripe, add AC dike and place delineators on the AC dikes. In Huntington Beach, at Bolsa Chica State Beach.	-	-	-	-	-	-	-	-	-	5/20/20	2/10/21	11/2/21	9/5/23
21	12-0Q470	ORA	001	29.9	33.7	8	Sidewalks, alleys, driveways, and some bus stop pads will be upgraded to maximum feasible., ADA standards. In Huntington Beach and Seal Beach, from Warner Avenue to Los Angeles/Orange County line.	Huntington Harbour	-	-	-	0.1	0	-	WPCP	n/a	2/25/20	10/21/21	7/13/22	9/4/26
22	12-0Q610	ORA	001	14.1	14.2	9	Widen shoulder 6 feet to construct Class II Bike Lane South of Intersection.	-	-	-	-	-	-	-	-	-	9/29/17	12/28/17	5/2/18	11/6/19
23	12-0C890	ORA	005	30.3	34	8	Provide a Second HOV Lane in Both Directions in the City of Tustin and Santa Ana	Santa Ana River Reach 2, Santiago Creek Reach 4	ACOE 404	-	-	Alt 2 - 8.56, Alt 3 - 1.03, Alt 4 - 0.60	1.45	2%	SWPPP	TBD	6/30/15	3/30/17	5/7/18	11/30/21
24	12-0F060	ORA	5	5.6	6	9	Widen Road and Bridge, Place HMA in Orange County in San Clemente and Dana Point from 0.1 mile south of Camino De Estrella Overcrossing to 0.2 Miles South of Via California OC At Camino De Estrella	San Clemente Coastal Streams Watershed	-	-	-	5.49	1.13	-	SWPPP	BSW	1/29/08	7/15/10	2/24/12	7/2/18
25	12-0F96A	ORA	005	3	3.7	9	Add One HOV Lane OC. I-5 From South of Avenida Pico to South of Avenida Vista Hermosa	San Juan Creek, Prima Deshecha Creek, Segunda Deshecha Creek	-	R9-2000-002, NPDES #CAG919002, 401	No	801	3	13.04	SWPPP	BSW, ASF	10/26/11	11/11/12	11/25/14	2/28/20
26	12-0F96C	ORA	005	3.7	6.2	9	Add One HOV Lane OC. I-5 from South of Avenida Vista Hermosa to S of Pacific Coast Hwy.	San Juan Creek, Prima Deshecha Creek, Segunda Deshecha Creek	-	R9-2000-002, NPDES #CAG919002, 401	-	39.3	7.6	-	SWPPP	BSW, BST	10/26/11	5/22/13	6/17/14	12/12/19
27	12-0F96E	ORA	005	6.2	8.7	9	Add One HOV Lane OC. I-5 from S of Pacific Coast Hwy to San Juan Creek Road.	San Juan Creek, Prima Deshecha Creek, Segunda Deshecha Creek	-	R9-2000-002, NPDES #CAG919002	No	19.7	2.6	8.64	SWPPP	BSW, EDB	10/26/11	7/7/12	12/4/13	5/21/20

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No.	EA	Project Location					Project Description ^{2,3}	Water Bodies Within or Adjacent to Project Limits ⁴	Dredge and Fill Activities (Y/N/NA) ⁵	Other Regional Water Board Permits Required ⁶	Potential and Actual Impacts of Project's Discharge ⁷	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) ⁸	Post-Construction Treatment Control Type, Quantity ⁹	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
28	12-0F96G	ORA	005	3	8.7	9	On Route 5 in San Clemente from PCH to Pico Ave. Establish existing planting for replacement planting with roadway projects 0F96A, C & E Establish existing planting for replacement planting with roadway projects 0F96A, C & E	San Juan Creek, Prima Deshecha Creek, Segunda Deshecha Creek	-	-	-	-	-	-	-	-	10/1/17	12/1/17	8/1/18	4/1/22
29	12-0H101	ORA	005	10.2	24	8	Add one HOT lane in each direction between Euclid Street and Seal Beach Blvd, in Rte. 405/SR 73 Connector & Toll Elements from SR 73 to I-605	-	-	-	-	-	-	-	-	-	-	-	-	7/1/22
30	12-0H530	ORA	005	0	0	9	Bridge Rail Upgrade & Deck Replacement.	San Juan Creek, Bee Canyon Channel	n/a	n/a	-	0.11	0	-	-	WPCP	11/19/14	6/1/16	11/10/16	10/1/18
31	12-0J61U	ORA	005	19.2	22.2	8	Revegetation of Exposed Slopes for NPDES Concerns and Source Control in Orange County - on Rte 5 from Lake Forest Dr. to Alton Pkwy and on Rte 405 from Rte 5 to 0.2 mi North of Irvine Center Drive	San Diego Creek - Reach 2, Serrano Creek Channel	none	none	Pollutants of concern for 303(d) waterbodies	64	0.95	n/a (in landscape areas)	SWPPP	Biostrips and swales	12/1/12	10/1/13	8/12/14	6/1/19
32	12-0K021	ORA	005	12.4	14.5	9	Add one lane in each direction between SR-73 and Oso Pkwy, Reconstruct Avery Pkwy IC and add Aux lane where needed.	-	-	-	-	-	-	-	-	-	6/5/14	4/17/18	8/30/19	8/29/24
33	12-0K022	ORA	005	14.5	17.1	9	Add one lane in each direction between Oso Pkwy and Alicia Pkwy, Reconstruct La Paz Rd IC and add Aux lane where needed.	Oso Creek, San Juan Creek	-	SDRWQCB, NPDES No. CAG919003, Order R9-2015-0013, 401 Cert	-	70.7	30.8	-	SWPPP	TBD	6/5/14	5/2/18	5/1/19	11/2/26
34	12-0K023	ORA	005	17.1	18.9	8, 9	Add one lane in each direction between Alicia Pkwy and El Toro Rd, Extend the 2nd HOV lane in both directions to Alicia Pkwy and add Aux lane where needed.	Aliso Creek, San Diego Creek	-	SDRWQCB, NPDES No. CAG919003, Order R9-2015-0013, 401 Cert	-	45.3	6.07	-	SWPPP	TBD	6/5/14	11/29/18	10/1/19	7/3/25
35	12-0K024	ORA	005	12.4	18.9	8, 9	Landscape project from SR-73 to El Toro Rd. Landscape project from SR-73 to El Toro Rd.	-	-	-	-	-	-	-	-	-	9/1/21	5/1/22	2/1/23	2/1/27

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		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
36	12-0K670	ORA	005	21.2	31.1	8	Provide New Lanes in Both Directions and Improve the Interchange at the Y (El Toro) In OC. On I-5 From SR-55 To El Toro Interchange.	Peters Canyon Channel, El Modena Irvine Channel, Agua Chinon Channel, Bee Canyon Channel, Central Irvine Channel	-	-	-	342	41	-	SWPPP	TBD	6/1/18	7/22/20	2/9/21	5/31/28
37	12-0L070	ORA	005	0	6.8	9	Rubberized Hot Mix Asphalt Type O Overlay in OC. City of San Clemente From ORA/SD County Line To PCH	Segunda Deshecha Channel, Capistrano Beach Channel	-	-	-	< 1.0	-	-	WPCP	n/a	5/18/16	-	6/1/17	5/1/20
38	12-0L280	ORA	005	8.8	8.8	9	Widening of San Juan Creek Rd. In City of San Juan Capistrano On Rte 5 @ San Juan Creek Rd Undercrossing.	San Juan Creek	-	-	-	-	-	-	-	-	7/3/18	-	-	3/6/25
39	12-0L730	ORA	005	14.79	14.8	9	Extend Short Seat Hinges & Address Seismic Vulnerability Concerns.	Oso Creek	-	-	-	3	0.013	-	SWPPP	-	5/16/14	-	-	-
40	12-0L850	ORA	005	33.9	43.4	8	Rte 5 HOV lane access conversion. In Orange County, city of Fullerton and Buena park from 5/57 separation to 0.1 mile south of route 5/39 separation.	Carbon Creek Channel, Anaheim Barber Channel, Santa Ana River, Santiago Creek, El Modena Irvine Channel, Peters Canyon Wash, Agua Chinon, Serrano Creek, San Dirgo Creek, Aliso and Oso Creeks.	None	None	None	0	0	0	WPCP	None	-	5/26/16	1/10/18	10/2/23
41	12-0L920	ORA	005	0	29.6	8, 9	Upgrade Pedestrian Facilities W/In CT R/W to Current ADA Standards.	-	-	-	-	-	-	-	-	-	10/1/13	-	-	-
42	12-0M050	ORA	005	1.6	10.9	9	Regrade Slope Embankment.	-	-	-	-	-	-	-	-	-	-	-	-	-
43	12-0M490	ORA	005	1.2	2.2	8	Enhance Curve, Build Up the Approach & Dept from the Bridge and Install Overhead Sign. In Ora Co in San Clemente 0.1 Mi N of Ave Mendocino OC to 0.2 mi S of Ave Presidio UC	San Clemente Coastal Streams Watershed through its tributaries Los Lobos Storm Channel, Riviera Storm Channel and Alessandro Storm Channel	No	No	-	2.1	0.72	4.60%	SWPPP	NA	11/1/13	2/25/16	9/20/16	1/3/20

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		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
44	12-0M980	ORA	005	17.752	19.104	8, 9	Interchange Reconfiguration. OC. On I-5/EI Toro Interchange in the City of Lake Forest, Laguna Hills, and Laguna Woods.	San Diego Creek, Aliso Creek	TBD	-	-	> 1.0	TBD	-	SWPPP	-	11/1/19	8/2/22	7/6/23	1/26/29
45	12-0N080	ORA	005	33.3	34.5	8	Enhance Highway worker safety with access gates and other measures. In Santa Ana on Rte 5 from Broadway to Santa Ana River 4600. Rte 22 From Santa Ana River to Main St (Pm 9.8/ 11.0). On Rte 57 Fr. Rte 5 to Chapman (PM 10.6/11.3).	Santiago Creek, Santa Ana River	-	-	-	> 1.0	-	-	-	-	3/11/16	12/1/16	10/1/17	4/1/20
46	12-0N280	ORA	005	33.67	33.69	8	Providing additional safety lighting, new pavement delineation, replace damaged pavement with RSC.	Santa Ana River, Santiago Creek	-	-	-	< 1.0	0	-	-	n/a	8/1/15	7/25/16	2/22/17	11/5/18
47	12-0N330	ORA	005	12.8	21.6	8, 9	Replace conc. slabs, overlay ramps & OC/UC FWY Lanes; Upgrade MBGRs, curb ramps, crash cushions; replace roadway signs, traffic delineations, dikes. Also overlay several under crossings, NB on/off ramps & SB on/off ramps.	Oso Creek, Aliso Creek and San Diego Creek	-	-	-	0.29	-	-	-	-	5/28/14	4/2/15	1/6/16	7/2/18
48	12-0N370	ORA	005	24.873	24.873	8	Construction of an elevated pedestrian/bike trail overcrossing of I-5 and Jeffrey off-ramp. Jeffrey Open Space Trail (JOST) Pedestrian/Bike Trail.	Peters Canyon Channel, San Diego Creek	no	none	-	0.23	0	0	WPCP	TBD	8/1/17	11/14/18	9/11/19	1/31/25
49	12-0N510	ORA	005	31	33.3	8	Relocate facilities away from traffic, construct roadside paving, access gates and trails to improve worker safety. On I-5: In Santa Ana from 4th St. to Broadway.	-	-	-	-	-	-	-	-	-	4/1/18	12/1/18	10/1/19	7/1/21
50	12-0N640	ORA	005	34.5	37.41	8	Grooving existing PCC, install new delineation, install new loops and modify MBGR as needed. In Route 05 from Santa Ana River to Harbor Blvd., in Cities of Orange and Anaheim.	-	-	-	-	-	-	-	-	-	4/1/16	3/3/17	9/27/17	10/30/20
51	12-0N650	ORA	005	22	24.22	8	Resurface AC surface with OGAC, install approx. 3500 LF of MBGR, and install new delineation. In Route 5 from Bake Pkwy to Jeffrey Rd. in city of Irvine.	-	-	-	-	-	-	-	-	-	11/1/16	12/1/17	7/25/18	3/12/20

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		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
52	12-0N670	ORA	005	2.1	3	9	Install 3 new HOV overhead sign structure per California MUTCD 2012 Edition. In City of San Clemente, on NB Route 5 between Avenida Presidio off ramp to E of Avenida Palizada.	-	-	-	-	-	-	-	-	-	9/28/15	4/25/17	4/25/17	7/2/19
53	12-0N950	ORA	005	29.1	42.54	8	Methacrylate Treatment and Joint Seal Replacement	-	-	-	-	-	-	-	-	-	9/24/15	1/4/16	4/22/16	8/1/18
54	12-0N960	ORA	005	22.8	27.6	8	Methacrylate Treatment and Joint Seal Replacement	-	-	-	-	-	-	-	-	-	7/9/15	10/28/15	4/22/16	8/1/18
55	12-0P000	ORA	005	0.5	1.257	9	Noise Barrier Scope Summery Report to eval. traffic noise at nearby noise - sensitive areas on SB I-5.	-	-	-	-	-	-	-	-	-	-	-	-	-
56	12-0P090	ORA	005	10.14	10.55	9	Install erosion control features, passive drainage system and linear barriers at toe of slop. I-5 near Junipero Serra Rd. in the City of San Juan Capistrano and on I-5 and SR-133 IC in the City of Irvine.	-	-	-	-	-	-	-	-	-	10/5/18	10/1/19	7/3/20	12/5/23
57	12-0P130	ORA	005	31.09	32.46	8	Add one through lane in each direction from 4th St. and 17th St.	-	-	-	-	-	-	-	-	-	-	-	-	-
58	12-0P260	ORA	005	24.9	24.9	8	Expand Park and Ride facility to increase number of parking spaces.	San Diego Creek	none	none	-	3.67	3.21	100	SWPPP	BSW, BST	2/9/16	1/12/16	6/17/16	2/5/19
59	12-0P350	ORA	005	23.9	10.06	8	Relocation of Marine Way to create a new 4-way intersection with NB I-5 ramp. one additional NB exit ramp terminus lane at the new Sand Cyn. intersection, and Sand Cyn. roadway widening.	-	-	-	-	-	-	-	-	-	-	-	-	-
60	12-0P390	ORA	005	35.023	35.023	8	Modify existing signals, Install high visibility LED, refresh pavement delineation, and ADA if needed. On Route 5 NB off State College Blvd. / The City Drive.	Spinnaker Storm Drain	n/a	n/a	-	0.005	0	-	WPCP	n/a	6/24/16	3/30/18	10/15/18	2/4/21
61	12-0P700	ORA	005	3.29	3.29	9	Drainage restoration at the Segunda Deshecha Channel. NB side just off the Avenida Pico off-ramp in the City of San Clemente.	Segunda Deshecha channel,	none	401/404	-	1.15	0	-	SWPPP	n/a	7/1/20	6/29/21	2/28/22	8/8/24
62	12-0P740	ORA	005	43.61	43.61	8	This project consists of removing and replacing three defective pumps from the pump plants.	-	-	-	-	-	-	-	-	-	7/27/15	-	7/29/15	10/1/18

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		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
63	12-0P790	ORA	005	18.6	30.5	8	MBGR Upgrade on Route 5 from Route 405 to Route 55	Canada Channel, San Diego Creek, Serrano Creek, Agua Chinon, Bee Canyon Channel, Marshburn Channel, Tustin Newport Storm Drain	n/a	-	-	0.75	0	-	WPCP	n/a	8/1/19	5/14/21	12/15/21	2/14/25
64	12-0P900	ORA	005	34.5	37.4	8	Relocate facilities away from traffic, construct roadside paving, access gates and trails. In the cities of Santa Ana and Anaheim, from Santa Ana River to Harbor Boulevard.	-	-	-	-	-	-	-	-	-	8/1/19	7/1/20	6/1/21	8/1/23
65	12-0P910	ORA	005	37.4	40.9	8	Relocate facilities away from traffic. Construct roadside paving, access gates and trails. In city of Anaheim, from Harbor Boulevard to La Palma Avenue.	-	-	-	-	-	-	-	-	-	12/1/19	11/1/20	9/1/21	9/1/23
66	12-0P920	ORA	005	40.9	41.9	8	Relocate facilities away from traffic, construct roadside paving, access gates and trails. In City of Anaheim, from La Palma Avenue to Magnolia Avenue.	-	-	-	-	-	-	-	-	-	8/1/20	7/1/21	7/1/22	5/1/24
67	12-0P930	ORA	005	41.9	43.1	8	Relocate facilities away from traffic, construct roadside paving, access gates and trails. In the cities of Anaheim, Fullerton and Buena Park from Magnolia Avenue to Stanton Avenue.	-	-	-	-	-	-	-	-	-	1/1/21	1/1/22	2/1/23	12/1/24
68	12-0Q300	ORA	005	37.4	37.4	8	High friction surface treatment. In Anaheim, SB Rte. 5 on-ramp from Harbor Blvd.	Anaheim Barber Channel	-	-	-	0.0125	-	-	WPCP	n/a	-	3/1/19	10/15/19	11/15/21
69	12-0Q330	ORA	005	30.2	44.4	8	Replace all overhead sign panels that have lost reflectivity new retro-reflective materials that are in compliance with current TOPD and current MUTCD standards.	Santa Ana River, San Gabriel River, Coyote Creek, Carbon Creek, Fullerton Creek, Santiago Creek	-	-	TMDLs	0	0	-	WPCP	n/a	11/27/19	3/1/21	12/15/21	8/14/24
70	12-0Q370	ORA	005	6.62	6.62	9	Bridge Rails Upgrade. On Route 5 at PM 6.62 (Bridge #5 -0225) and Route 73 at PM 26.56 (Bridge #55-0539 L/R)	-	-	-	-	-	-	-	-	-	9/3/19	5/3/21	3/2/22	6/30/26

Table 6-1: District 12 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description ^{2,3}	Water Bodies Within or Adjacent to Project Limits ⁴	Dredge and Fill Activities (Y/N/NA) ⁵	Other Regional Water Board Permits Required ⁶	Potential and Actual Impacts of Project's Discharge ⁷	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) ⁸	Post-Construction Treatment Control Type, Quantity ⁹	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
71	12-0Q550	ORA	005	19.7	20	8	Embankment failure. In OC S/B Lake Forest Dr. On-Ramp to I-5 in the City of Lake Forest	-	-	-	-	-	-	-	-	-	-	-	-	-
72	12-06820	ORA	022	0.7	0.7	8	Widen OC Bolsa Chica Rd OC at Rte 22 & 405	-	-	-	-	-	-	-	-	-	7/2/19	7/2/21	3/1/22	8/15/23
73	12-0716U	ORA	022	0.6	24	8	Highway Replacement Planting in the cities of Seal Bch, Garden Grove, Los Alamitos & Westminster. I-405: PM 20.4/24.0, I-605: PM 3.0/R1.6, SR 22 PM R0.3/R2.9.	San Gabriel River, Bolsa Chica Channel	-	-	-	< 1.0	-	-	WPCP	n/a	8/9/15	10/1/15	7/12/16	8/1/21
74	12-08790	ORA	022	7.8	7.8	8	Modify Interchange in Garden Grove At Harbor Blvd UC Br #55-0376	-	-	-	-	-	-	-	-	-	7/2/19	12/16/20	7/2/21	7/4/23
75	12-0J870	ORA	022	9.7	10.5	8	Redirect NB I-5 Traffic From CDR to SR-22 Mainline, Restrict SR-22 Main Line Access & SB I-5 Connector EB SR-22 & Collector Distributor Road, from the City Drive To SR-22/I- 57 Interchange	-	-	-	-	-	-	-	-	-	7/2/19	-	-	10/8/26
76	12-0M900	ORA	022	3.9	10.8	8	Improve/Configure Channelization Remove Approx 2/3 of Conc Barrier Install, Adjust & Add Traffic Cd. EB Rte 22 from Harbor Blvd to 5/57 Interchange.	Santa Ana River, East Garden Grove Wintersburg, Westminster Channel	-	-	-	2.3	0.98	-	SWPPP	exempt	4/15/17	4/16/18	12/3/18	11/1/21
77	12-0N920	ORA	022	9.1	9.1	8	Upgrade Drainage System at the Haster Off-Ramp. In the City of Garden Grove.	-	-	-	-	-	-	-	-	-	8/1/17	10/1/18	10/1/19	6/1/23
78	12-0P520	ORA	022	12.03	12.636	8	Enhance safety by installing lighting and modify traffic control device. W/B at Glassell St. in OC	Lewis Channel	-	-	-	0.17	0.17	-	WPCP	exempt	7/2/18	7/3/19	6/15/20	8/24/23
79	12-0P530	ORA	022	9.916	9.916	8	Enhance safety by additional safety lighting and installing TCD's	-	-	-	-	-	-	-	-	-	-	-	-	-
80	12-0P980	ORA	022	6.9	6.9	8	OGAC, drainage, delineation, ADA	Westminster Channel	-	-	-	0.15	0	-	WPCP	n/a	4/28/17	5/1/18	3/1/19	4/1/21
81	12-0Q320	ORA	022	10.9	12.1	8	Improve drainage in both dir. grading PCC; resurface AC pavement with OGAC; pavement delineation. Install safety lighting. repic med barrier; new OH sign structure. In Orange, Rte. 22 EB/WB from Rte. 5/57 S/B connector to Glassell St./Grand Ave.	Santa Ana River, Santiago Creek	-	-	-	0.69	-	-	WPCP	n/a	7/16/18	1/23/20	11/2/20	12/1/22

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		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
82	12-0F970	ORA	039	15.15	15.91	8	Remove/Replace the Existing Curb & Gutters, Sidewalk & Curb Ramps at Various Locations on SR-39 in the City of Buena Park on SR-39 from Manchester Ave to Craig Ave	Coyote Creek	-	-	TMDL	0.57	0	-	WPCP	n/a	-	9/15/19	4/15/21	12/1/23
83	12-0H270	ORA	039	9.87	10.5	8	Rehabilitate Drainage Systems, Alleviate Flooding. In Orange County in Stanton from 0.1 Mi South of Bever Place to 0.1 mi North of Stanton Storm Channel	-	-	-	-	-	-	-	-	-	6/25/15	5/31/16	11/1/16	9/15/20
84	12-0J400	ORA	039	12.4	17.4	8	Pavement Rehabilitation from Acacia Blvd to Imperial Highway in cities of Stanton, Anaheim, Buena Park, La Mirada And La Habra	Coyote Creek	-	-	TMDL	1	0.85	-	WPCP	n/a	2/17/14	1/12/17	11/15/17	11/1/20
85	12-0M520	ORA	039	20.171	20.171	8	Modify Signals, Add Safety Lighting Refresh Pavement & Ada Upgrades. On Sr-39 @ Intersections of Atlanta Ave (PM 0.361), Lincoln Ave (PM 12.685), La Habra Blvd (PM 20.17) & On SR-91 At PM 1.015, PM R1.673, PM 5.398.	Huntington Beach Channel, Talbert Channel, East Garden Grove Wintersburg Channel, Carbon Creek	-	-	-	0.31	0.008	-	WPCP	-	5/20/15	6/1/17	3/1/18	9/1/21
86	12-0N590	ORA	039	11.681	12.2	8	On Route 39, install new traffic signal, center median, wrought iron fence, modify crosswalk, and updating ADA to current standard (PM 11.68-12.69)	Carbon Creek	-	-	-	0.3	0.16	-	WPCP	n/a	6/15/15	2/1/16	8/29/16	7/31/20
87	12-0N710	ORA	039	5.7	14.4	8	1-Modify Signals 2-Refresh Stripping and Pavement Markings 3-Install Lighting 4-Update ADA to current Standards. Route 39 (Beach Blvd.) at the Intersection of Center Avenue.	San Gabriel River/ Coyote Creek	-	-	-	0.04	0	-	WPCP	n/a	1/29/16	3/1/17	11/2/17	12/17/20
88	12-0N990	ORA	039	1.881	1.881	8	Modify Signals, Safety Lighting, bring ADA to standard, and refresh Striping if needed. Route 39 at Utica Street in the City of Huntington Beach.	Talbert Channel, Huntington Beach Channel	-	-	-	0.06	0	-	WPCP	n/a	6/1/16	1/2/18	10/1/18	11/1/20

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		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
89	12-0P010	ORA	039	5.301	5.301	8	Modify Signals, add safety lighting, ADA, and refresh striping if needed. In Orange County Route 39 at Trask Avenue, in the City of Westminster.	Wintersburg Channel, Santa Ana River, Westminster Channel, Loftus Channel, Fullerton Creek East Garden Grove Wintersburg Channel, Coyote Creek	-	-	-	0.1	0	-	WPCP	n/a	8/1/17	1/8/19	11/12/19	10/27/22
90	12-0P060	ORA	039	5.141	5.141	8	Modifying Signal, Safety Lighting, ADA, Striping if needed. In Orange County, City of Huntington Beach, Hail Avenue.	-	-	-	-	-	-	-	-	-	2/8/17	9/27/17	5/11/18	5/8/20
91	12-0P460	ORA	039	3.64	7.14	8	Clean, Line, Remove and Place Culverts in Huntington Beach and Westminster from Talbert Ave to 11th St	Huntington Harbour, Anaheim Bay	-	-	-	0.1	0	-	WPCP	n/a	12/7/15	1/15/16	4/22/16	8/1/18
92	12-0Q030	ORA	039	0	12.9	8	Construct PCC concrete bus pads on Beach Blvd. at 22 locations. In Huntington Beach, Westminster, Stanton and Anaheim, from PCH to Stanton Ave.	Carbon Creek, East Garden Grove Wintersburg Channel, Ocean View Channel	-	-	-	0.5	0.5	-	WPCP	n/a	12/30/16	2/21/17	6/7/17	12/11/18
93	12-0Q290	ORA	039	19.36	19.36	8	Install Signal Modification, Safety Lighting, refresh Stripe and bring ADA to standard. In La Habra at Fashion Square Lane	Coyote Creek	-	-	-	0.5	0.1	-	WPCP	n/a	8/1/18	8/1/19	6/1/20	9/1/23
94	12-0Q640	ORA	039	9.671	9.671	8	Modify signal, add safety lighting, ladder stripes on cross walk, refresh delineation and ADA if needed.	-	-	-	-	-	-	-	-	-	-	-	-	-
95	12-00550	ORA	055	7.5	7.6	8	Const OC & HOV Access Ramps in Santa Ana at Alton Ave	Lane Channel discharging into San Diego Creek Reach 2.	None	None	None	2.65	7.42	11	SWPPP	None	4/13/06	9/12/18	11/7/18	9/30/21
96	12-07810	ORA	055	15.5	16.8	8	Construct new IC In Orange, at SR-55 & Meats Ave.	Santa Ana River	-	-	-	> 1.0	1.44	-	SWPPP	TBD	6/1/17	8/1/19	-	10/12/22
97	12-0G950	ORA	055	8	9.2	8	Construct Auxiliary lane. In SR-55 NB direction from Dyer Road on ramp to Edinger Avenue off ramp.	-	-	-	-	-	-	-	-	-	11/2/17	12/5/19	11/19/20	2/15/22
98	12-0J340	ORA	055	6.2	10.3	8	Increase Capacity & Improve Ops. In Irvine, Santa Ana. & Tustin, from MacArthur to I-5	Lane Channel to San Diego Creek-Reach 1, and Santa Ana-Santa Fe Channel to Peters Canyon Channel	ACOE 404	Newport Bay Watershed DeMinimus and 401 Certification	Pollutants of concern for the 303(d) waterbodies	77.16 (MAX.)	15.28 (MAX.)	11%	SWPPP	Biostrips, Bioswale, and possible Infiltration Basin	9/1/17	12/5/19	11/19/20	6/1/26

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		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
99	12-0K720	ORA	055	10.5	17.8	8	Increase Capacity & Improve Ops. In Tustin, Santa Ana, Orange & Anaheim, from I-5 to SR-91	-	-	-	-	-	-	-	-	-	3/1/20	1/4/22	9/6/22	3/20/25
100	12-0L520	ORA	055	0	2.4	8	Increase Capacity and Improve Access to SR-55 on SR-55 from 19th Street to Industrial Way	Lower Newport Bay	ACOE 404	Possible SARWQCB 401 Certification. Newport Bay Watershed De Minimus	Pollutants of concern for the 303(d) water body	25 (max.)	2.52 (max.)	8%	SWPPP	Bioswales	8/12/20	1/17/23	12/26/23	6/19/29
101	12-0L740	ORA	055	2	11.8	8	Pavement Resurfacing Includes Ramps & Approach Slab Replacement.	-	-	-	-	-	-	-	-	-	12/23/10	-	-	-
102	12-0M360	ORA	055	2.02	11.78	8	Construct Concrete Median Barrier in Place of Temporary K-Rail to Close Gaps.	-	-	-	-	-	-	-	-	-	2/8/12	-	-	-
103	12-0M500	ORA	055	1.2	17.9	8	Upgrade Safety Devices In Orange County in various cities at various locations from 0.9 Mile North of Route 1 to Route 55/91 Separation.	Santiago Creek, Santa Ana Santa Fe Channel, Santa Ana Delhi Channel and many cross-drainage channels.	None	None	None	4.41	-	-	SWPPP	None	6/28/13	5/13/16	1/10/17	10/1/19
104	12-0N450	ORA	055	10.503	10.535	8	Construct type II (retrofit) noise barrier to reduce freeway traffic noise impact. I-5/SR-55 NB Connector to South of Main Street.	-	-	-	-	-	-	-	-	-	-	7/18/18	-	1/22/20
105	12-0N500	ORA	055	12	13.4	8	Relocate facilities away from traffic, construct roadside paving, access gates and trails to improve worker safety. On Route 55: In Orange from 17th St. to La Veta, and On Route 22: In Tustin From Route 55 to Tustin Ave.	-	-	-	-	-	-	-	-	-	10/1/17	7/1/18	3/1/19	4/2/21
106	12-0N530	ORA	055	13.2	17.8	8	Relocate facilities away from traffic, construct roadside paving, access gates and trails to improve worker safety. On Route 55: In Orange from La Veta to Route 91.	-	-	-	-	-	-	-	-	-	4/1/19	12/1/19	10/1/20	8/1/22
107	12-0N630	ORA	055	10.7	10.7	8	Modify Signal & left turn Channelization. In Tustin, NB Off-ramp to 4th St.	-	-	-	-	-	-	-	-	-	12/2/17	9/27/18	5/28/19	4/14/21
108	12-0Q350	ORA	055	16.98	16.98	8	Construct roundabout at Lincoln Ave/Santiago Blvd. intersection, signal optimization/coordination, and construct Park & Ride lot.	-	-	-	-	-	-	-	-	-	9/16/19	3/28/22	2/27/25	7/18/31

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		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
109	12-0Q460	ORA	055	17	17	8	Propose Park and Ride Lot for a total of 166 spaces including handicapped parking and bicycle lockers/storage. In the City of Orange, Northeast corner of Lincoln street/Nohl Ranch and SR-55.	Santa Ana River	none	-	-	-	-	-	SWPPP	TBD	6/1/17	9/18/17	3/19/18	9/23/19
110	12-0Q660	ORA	055	6.46	6.46	8	Cold plane AC pavement, shoulder, gore and replace with RHMA. Remove and replace broken PCC slabs.	-	-	-	-	-	-	-	-	-	9/11/17	11/22/17	5/21/18	11/14/19
111	12-0C110	ORA	057	19.9	21.5	8	12-0C110 Rte. 57 Reconfigure Ramp in Brea 0.5 Mile North of Imperial Hwy to 0.5 N of Lambert	Loftus Channel	-	-	-	25	2.56	-	SWPPP	TBD	11/25/15	5/15/17	6/20/18	7/12/23
112	12-0C120	ORA	057	21.2	22.6	8	Reconstruct Climbing Auxiliary Ln & Realign NB Off-Ramp @ Tonner Canyon Rd & NB On-Ramp at Lambert Rd In Brea from Lambert Road to Orange Co/Los Angeles Co Line	-	-	-	-	-	-	-	-	-	12/31/21	4/8/24	3/17/26	5/19/32
113	12-0C740	ORA	057	20.9	22.5	8	Widening Lambert NB On Ramp In Brea from Lambert to end North Bound	Loftus Channel	-	-	-	-	-	-	-	-	5/1/20	7/7/20	2/11/22	12/31/27
114	12-0F03U	ORA	057	16.2	21.1	8	Highway Replacement Planting OC. In Placentia, Fullerton & Brea from 0.2 miles south of Orangethorpe	-	-	-	-	-	-	-	WPCP	-	12/1/13	10/1/17	3/1/18	1/1/23
115	12-0F04A	ORA	057	12.25	15.17	8	Highway Replacement Planting OC. NB from 0.3 mile south of Katella Ave to 0.3 mile North.	-	-	-	-	-	-	-	WPCP	-	9/29/16	5/3/17	11/1/17	3/1/22
116	12-0L090	ORA	057	11	22.5	8	PCC Profile grinding and replacing damaged concrete slabs.	-	-	-	-	-	-	-	WPCP	-	9/15/14	2/2/15	11/6/15	8/31/18
117	12-0M480	ORA	057	16.39	20.88	8	ADA Improvement On SR-57 from Orangethorpe Avenue to Lambert Road	-	-	-	-	-	-	-	-	-	5/19/17	7/2/18	8/1/19	4/6/22
118	12-0M970	ORA	057	11.5	12.5	8	Geometric Improvements to Increase Capacity & Reduce Congestion. OC. SR-57 Between Orangewood Ave. To Katella Ave, in the City of Anaheim.	-	-	-	-	4.4, 2.4, 1.2	1.7, 1.2, 0.8	-	SWPPP	TBD	12/17/18	6/8/20	12/14/21	12/19/25
119	12-0N140	ORA	057	20.74	21.2	8	Shoulder Widening, Modify Curbs, Gutter and Drainage.	Loftus Channel	-	-	-	0.2	0.05	-	WPCP	n/a	6/27/14	4/30/15	9/8/15	4/1/19

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		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
120	12-0N340	ORA	057	10.8	21.8	8	Project consists of repairing concrete bridge deck spalls, placement of polyester concrete, installation of Type B seals and expansion joint neoprene gland, remove and replace existing damaged approach slabs and methacrylate seal deck.	-	-	-	-	-	-	-	-	-	7/28/14	2/5/15	10/6/15	9/5/18
121	12-0N900	ORA	057	10.7	16.6	8	Integrated Corridor Management (ICM). TOS life cycle replacement (Platinum Triangle project) On Route 57 between SR-22 & Oglethorpe Ave.	-	-	-	-	-	-	-	-	-	7/5/17	4/19/19	12/10/19	5/26/22
122	12-0P450	ORA	057	11	22.5	8	PCC groove and slab replacement. OC. in Orange, Fullerton, Anaheim, Placentia & Brea from south of Chapman Avenue to LA County line.	Satna Ana River, Placentia Storm Channel, Chantilly Storm Drain, Loftus Channel, Carbon Creek	-	-	-	0	0	-	WPCP	n/a	7/24/15	12/31/15	6/3/16	8/1/18
123	12-0P560	ORA	057	11.06	11.47	8	Install Safety lighting and modify striping. From SB off WB22/La Veta/Bristol to SB off to Chapman Ave. in the City of Orange.	-	-	-	-	-	-	-	-	-	9/13/19	6/1/16	10/3/16	5/18/27
124	12-0Q110	ORA	057	15.6	22.5	8	Grind and groove NB lane. In OC, in Anaheim, Fullerton, Brea & Placentia from 57/91 IC to LA County Line.	Tonner Canyon Creek, Loftus Channel, Coyote Creek	-	-	-	0	0	-	WPCP	n/a	8/22/16	1/31/17	6/5/17	4/1/20
125	12-0Q270	ORA	057	20.8	22.6	8	Regrade slopes, add Design Pollution Prevention; add landscape vegetation; treatment site BMPs if criteria are met. NB and SB SR-57 from Lambert Road to Tonner Canyon.	Coyote Creek	-	-	-	5.18	0	-	SWPPP	n/a	5/11/18	12/11/18	4/17/19	10/20/20
126	12-0Q790	ORA	057	15.6	15.6	8	Install HFST, loop detectors, safety devices & localized slope paving	-	-	-	-	-	-	-	-	-	6/22/21	12/21/22	10/16/23	2/9/26
127	12-0N680	ORA	072	11.917	11.917	8	Modify Signals. Add safety Lighting. Update ADA to current standards. Refresh Pavement Delineation.	-	-	-	-	-	-	-	-	-	5/13/15	11/1/15	8/16/16	1/15/19
128	12-0H034	ORA	073	25.7	28	8	NB/SB Slab Replacement. On/Off Ramps Resurfacing, Shoulder Rehab & Grinding	-	-	-	-	-	-	-	-	-	10/20/05	-	9/12/14	11/28/18
129	12-0H225	ORA	073	26.1	28	8	Install Fiber Optic Cables & CCTVs on SR-405 & SR-73	-	-	-	-	-	-	-	-	-	10/1/14	3/25/15	1/20/16	2/11/19

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		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
130	12-0H260	ORA	073	10.3	11.2	9	Repair Fwy Embankment Fill Distress Repair AC Pavement, Control Ponding Water & Sat of Emb. Fill in City of Laguna Niguel between Paseo De Colinas to S of Cabot Rd	-	-	-	-	-	-	-	-	-	5/1/18	-	-	3/24/22
131	12-0H440	ORA	073	10	24.5	8, 9	StormWater Mitigation & Slope Stability in Various Locations SR73 Storm Water Mitigation and Slope	Laguan Creek, Aliso Creek, San Diego Creek	none	-	-	34	0	0	SWPPPP	none	2/1/09	10/1/12	10/30/13	4/1/19
132	12-0M110	ORA	073	23.6	25.2	8	Adjust Fwy Cross-Slope, Add Drainage Inlets, Resurface Roadway with OGAc, Restripe, Upgrade MBGR.	San Diego Creek, Bonita Creek	-	-	-	1.18	0	-	SWPPP	n/a	5/5/13	6/10/14	2/10/15	7/24/18
133	12-0M340	ORA	073	16.457	16.609	9	Widen Roadway to Improve Channelization at Gore Area & Widen Ramp, Modify Signal Operations.	-	-	-	-	1.1	0.43	-	SWPPP	N/a	6/28/13	3/10/15	3/29/16	12/1/18
134	12-0M510	ORA	073	14.83	-	9	Establish Existing Planting (3 Yrs)	-	-	-	-	-	-	-	-	-	-	-	-	-
135	12-0M960	ORA	073	22.5	25.7	8	Resurfacing AC Pavement on Fwy, & Ramps, Upgrade MBGR, Curb Ramps and Crash Cushion.	-	-	-	-	-	-	-	-	-	6/30/13	10/28/16	9/18/17	12/30/19
136	12-0N720	ORA	073	10	28.016	8, 9	Upgrade safety devices to enhance safety, reduce possible collision severity and limit maintenance personnel exposure to traffic. On Route 73 from Route 5 to Route 405.	Bolsa Chica Channel, Santa Ana Del Hi Channel, San Diego Creek, Upper Newport Bay, Laguna Canyon Channel, Aliso Creek, Oso Creek	-	-	-	10.56	4.81		SWPPP	TBD	7/20/17	9/20/19	7/20/20	1/16/24
137	12-0N840	ORA	073	16.859	17.059	9	(1) Cold plane & resurface roadway with Open Graded Asphalt Concrete (OGAC) and (2) Restripe all traffic lanes and right/left edge lines. Southbound Route 73 N/O Route 133, in the City of Laguna Beach.	-	-	-	-	-	-	-	-	-	-	10/1/18	5/6/19	3/1/22

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		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
138	12-0N860	ORA	073	23.958	24.158	8	Modify the existing lane configuration on the Off-Ramp from 1 lane to 1.5 lanes at the exit gore to allow 2 through lanes from the Off-Ramp onto SB MacArthur Blvd. Southbound Route 73 at MacArthur Blvd. Off-Ramp, in the City of Newport Beach.	Bonita Channel	-	401, 404	-	1.41	0.74	-	SWPPP	n/a	3/1/2018	12/2/19	9/16/20	2/1/24
139	12-0Q020	ORA	073	24.5	24.6	8	Cold plane and pave with asphalt concrete to correct roadway superelevation condition with gradual transition to existing pavement.	-	-	-	-	-	-	-	-	-	6/23/16	11/30/16	4/6/17	10/9/18
140	12-08692	ORA	074	1	1.9	9	Widen From 2 Lanes to 4 Lanes in the City of San Juan Capistrano From Calle Entradero to the City Limits/County Line	San Juan Creek	-	-	-	-	-	-	-	-	11/14/19	6/11/21	2/8/22	8/29/2028
141	12-0E310	ORA	074	0	1.6	9	Replace Bridge and Widen Ramp on Rte 74 from 0.1 Mile West of I-5/SR-74 IC to 0.1 Mile East Of I-5/SR-74 IC.	San Juan Creek	ACOE 404	-	-	-	-	-	SWPPP	TBD	6/1/09	10/12/11	8/22/12	12/31/18
142	12-0E31A	ORA	074	0	1.6	9	Highway Replacement Planting in San Juan Capistrano From I-5/ East City Limit	-	-	-	-	-	-	-	-	-	6/1/09	10/1/14	9/22/15	5/1/20
143	12-0L720	ORA	074	2.93	5.06	9	Construct 4-Foot Right Shoulder, Pave Turnouts, Replace/Add MBGR SR-74 Between East Of Antonia Pkwy/ La Pata Rd. (PM 2.93) and East of Conrock Entrance (PM 5.06)	San Juan Creek	401	SDRWQCB, Region 9	Potentially Increased Flow and sediment	8.4	2.1	128	SWPPP	Biofiltration swales,	12/16/13	2/1/16	9/6/16	10/27/22
144	12-0M090	ORA	074	0.04	1.8	9	Upgrade Pedestrian Facilities within the CT ROW to Current ADA Standards. Rte 74 from the I-5/Rte 74 I.C. To the City of San Juan Capistrano City Line PM 1.8.	San Juan Creek	-	-	-	-	-	-	-	-	7/3/17	3/1/19	11/1/19	12/1/23
145	12-0P030	ORA	074	11.5	16.599	9	Super Elevation Corrections, Safety Lighting, Shoulder widening and OGAC Overlay. In Orange County, City of San Juan Capistrano, San Juan fire station.	San Juan Creek	yes	401	-	6.55	1.01	-	SWPPP	TBD	10/3/18	3/2/20	12/3/20	1/6/27
146	12-0P070	ORA	074	11.5	12.3	9	Open grade Asphalt Concrete Overlay and Shoulder Widening. In OC, City of San Juan Capistrano, West of San Juan Fire Station.	San Juan Creek	-	-	-	-	-	-	-	-	3/1/16	3/8/17	1/2/18	2/3/20

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		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
147	12-0P730	ORA	074	13.29	13.29	9	Upgrade existing non-standard concrete bridge railing.	San Juan Creek	-	-	-	-	-	-	-	-	7/1/21	6/16/22	5/2/24	7/5/29
148	12-0Q570	ORA	074	3.1	5.6	9	Ortega Highway Slope embankment Repairs.	San Juan Creek	-	-	-	-	-	-	-	-	-	-	-	7/31/18
149	12-05620	ORA	090	11.8	12.5	8	Construct Grade Separation in Yorba Linda and Anaheim at Orangethorpe Ave & Esperanza Road	-	-	-	-	-	-	-	-	-	-	-	-	10/1/18
150	12-0H310	ORA	090	0	0	8	Install Changeable Message System on SR-90 and SR-142 At Various Locations	-	-	-	-	-	-	-	-	-	1/3/20	-	-	3/29/32
151	12-0K560	ORA	090	0	0	8	ROW Acq, Street Traffic Signing, Striping & Landscape Median Improvements	Carbon Creek Channel,	-	-	-	3.01	0	-	SWPPP	-	10/1/09	-	-	8/30/18
152	12-0M910	ORA	090	0.6	8	8	Construction or Modify Curbs, Sidewalks, or Wheelchair Ramps. OC- from Beach Blvd to Rose Dv. In the cities of La Habra, Fullerton, and Brea.	Coyote Creek, Fullerton Creek, Carbon Creek	-	-	-	0.11	0.012	-	WPCP	-	11/3/15	5/19/17	11/1/17	8/1/21
153	12-0P320	ORA	090	5.93	5.93	8	Modify Signals, add Safety lighting, ADA and refresh pavement delineation. In Route 90 at Castlegate L/Placentia, in the City of Brea.	-	-	-	-	-	-	-	-	-	6/28/17	10/4/18	9/21/18	12/24/18
154	12-0P580	ORA	090	2.6	5.1	8	Upgrade curb ramps, replace roadway signs when reflectivity is compromised, replace/restore existing and missing traffic delineation and overlay WB and EB general purpose and left turning Ins from Harbor Blvd. to Randolph Ave. in the cities of Fullerton and Brea.	Fullerton Creek, Coyote Creek	-	-	-	0.002	0	-	WPCP	n/a	7/1/19	1/2/18	5/7/18	10/1/25
155	12-0Q420	ORA	090	6.231	6.231	8	Modify Signal, Install LED, add safety lighting, refresh pvmnt delineation and ADA if needed. In Brea, on Route 90 at the Shopping Center.	-	-	-	-	-	-	-	-	-	9/8/20	3/11/22	1/5/23	4/28/25
156	12-0C560	ORA	091	7.9	9.5	8	Provide an Auxiliary Lane From NB SR-55 to Tustin Ave Off-Ramp in Anaheim from 0.2 km W of N Olive up to 0.2 km of Tustin Avenue OC	Santa Ana	yes	401/404	-	4.41	3.78	-	SWPPP	BSW	5/20/11	12/1/2	10/11/13	7/1/18

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		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
157	12-0C571	ORA	091	0.9	5.4	8	Replacement Highway Planting in Orange County in Anaheim and Fullerton from 0.3 miles west of Brookhurst Street Undercrossing to 0.2 miles East of State College Boulevard Undercrossing	Carbon Creek, Houston Channel,	-	-	-	-	-	-	WPCP	-	3/16/16	8/29/16	3/20/17	1/2/22
158	12-0G331	ORA	091	9.1	15.6	8	Highway Replacement Planting	-	-	-	-	-	-	-	-	-	4/30/12	12/1/12	9/5/13	10/1/18
159	12-0K970	ORA	091	15.8	18.1	8	Provide Direct Connector Between SR-241 & SR-91 in Orange County, at SR-241/SR-91 Interchange	-	-	-	-	-	-	-	-	-	12/7/17	5/11/18	-	11/1/20
160	12-0K980	ORA	091	6	9.3	8	Improve Complex Interchanges, Including Nearby Local Interchanges on SR-91 from SR-55 Interchange to SR-57 Interchange	Santa Ana River, R2	-	401/404, 402, 1602	-	TBD	TBD	TBD	SWPPP	TBD	5/1/18	7/1/20	2/1/21	7/1/24
161	12-0M610	ORA	091	8.9	9.4	8	Install Additional Lighting at Interchange and Upgrade Guardrail.	Santa Ana river	-	-	-	0.27	-	-	WPCP	n/a	2/2/15	5/2/16	12/21/16	2/1/19
162	12-0N090	ORA	091	5.2	6.4	8	Relocate Facilities, Construct Roadside Paving, Access Roads and Improve Worker Safety. In Anaheim on Rte 91 From State College to La Palma and on Rte 57 from La Palma To Orangethorpe.	Carbon Creek, Santa Ana River	-	-	-	< 1.0	0	-	WPCP	n/a	9/15/16	8/1/17	5/1/18	11/1/19
163	12-0N270	ORA	091	13.8	13.8	8	To Renew and Upgrade Facility. Rte 91 Peralta WB Weigh Station.	Santa Ana	none	-	-	0.25	-	-	WPCP	none	5/27/16	1/26/18	8/31/8	7/1/20
164	12-0N27U	ORA	091	13	14.2	8	In Orange County Peralta Weigh Stations	-	-	-	-	-	-	-	-	-	8/1/17	10/1/18	7/1/19	8/1/21
165	12-0N320	ORA	091	9.8	18.9	8	CAPM project to address pavement needs on mainline and ramps. Rte-91 at Lakeview Avenue OC to Orange/Riverside county line.	-	-	-	-	-	-	-	-	-	6/3/15	10/1/18	8/1/19	10/1/21
166	12-0N360	ORA	091	1.015	5.398	8	Overlay with OGAC. Enhance MBGR, lighting, drainage and signing if needed.	-	-	-	-	0.093	0.02	-	WPCP	n/a	10/2/13	12/1/15	6/30/16	9/1/18
167	12-0N490	ORA	091	13	13.8	8	Rehabilitate Commercial Vehicle Enforcement Facility (CVEF). Rte-91 near Anaheim, at EB Peralta Weigh Station.	-	-	-	-	0.59	0.59	-	WPCP	n/a	8/1/17	11/2/18	6/1/19	3/16/21

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		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
168	12-0P480	ORA	091	9.2	17.2	8	Refresh striping, remove and replace markers. In Anaheim & Yorba Linda on Rte. 55 (PM 17.4/R17.9) from Lincoln Ave UC to Rte. 91 (PM R9.2/R17.2) from 55/91 Sep to 0.8 mi east of Gypsum Canyon Rd UC	-	-	-	-	-	-	-	-	-	12/15/15	12/31/15	4/22/16	8/1/18
169	12-0P510	ORA	091	2.6	2.8	8	In Buena Park, at SR 91 WB off-ramp to Beach Blvd.	-	-	-	-	-	-	-	-	-	-	10/30/15	-	-
170	12-0P570	ORA	091	1.23	1.23	8	Modify off and on-ramp curb return signals. SR 91 EB at Brookhurst Street.	-	-	-	-	-	-	-	-	-	-	-	-	-
171	12-0P650	ORA	091	0.314	0.314	8	Add a lane and install overhead sign at the ramp terminus; increase left-turn storage lane; revise traffic signal system at the intersection. E/B SR-91 Off-ramp at Orangethorpe Ave.	-	-	-	-	-	-	-	-	-	9/19/18	4/1/21	2/28/24	7/24/30
172	12-0Q040	ORA	091	2.78	2.78	8	OGAC resurfacing, loop detectors, delineation, bringing ADA to standard and guard rail. In the City of Buena Park on EB Rte 91 on-ramp from NB 39	-	-	-	-	-	-	-	-	-	-	8/1/18	2/1/19	6/1/20
173	12-0Q310	ORA	091	2.6	3.4	8	Overhead Sign Structure. In Orange County, EB 91 between Rte. 91 and Rte. 05 in Buena park	-	-	-	-	-	-	-	-	-	7/1/18	6/1/19	12/1/19	3/1/21
174	12-0G009	ORA	133	10	11	8	Trabuco Road Interchange Add New IC on Eastern Trans. Coord East Leg	-	-	-	-	-	-	-	-	-	5/6/20	3/26/21	6/6/22	12/10/26
175	12-0M570	ORA	133	3.4	3.85	9	Ditch Clearing and Reconstruction. LN OC. City of Laguna Beach, SB SR-133 from El Toro Rd to SR-73	-	-	-	-	-	-	-	-	-	12/8/17	8/13/18	4/16/19	7/13/20
176	12-0N060	ORA	133	3.1	3.6	9	Widen Roadway to Improve Channelization. OC. El Toro Road, city of Laguna Beach.	Laguna Canyon Channel	-	-	-	1.2	0.79	-	SWPPP	n/a	7/3/17	2/27/20	10/22/20	6/12/25
177	12-0N100	ORA	133	7.8	13.7	9	Relocate facilities, construct roadside paving, access roads and improve worker safety In Irvine on Rte 133 from Rte 405 to Rte 241.	-	-	-	-	-	-	-	-	-	4/21/17	12/1/17	9/1/18	4/1/20
178	12-0N110	ORA	133	9.5	9.5	8	Deep Injection Grouting.	-	-	-	-	-	-	-	-	-	2/7/14	12/31/14	1/5/16	4/14/21

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		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
179	12-0N660	ORA	133	3.416	13.644	8, 9	Replace damaged and outdated MBGR, non-standard AC dikes. Install permanent crash cushions. install new electrolier, fill/regrade slopes, relocate controller cabinets, headwalls, replace temp railing. SR-133, from El Toro Road to Route 241 (Toll Road)	Marshburn Channel, San Diego Creek, Laguna Canyon Channel	-	-	-	>1.0	-	-	SWPPP	-	12/15/17	10/17/18	8/7/19	1/17/23
180	12-0N870	ORA	133	0.8	1.2	9	Extend #2 lane to allow proper lane drop signage and Utility Poles relocation. NB SR 133. N/O Canyon Acres Road in the City of Laguna Beach.	Laguna Canyon Channel	-	-	-	0.4	0.1	-	WPCP	n/a	1/4/16	8/1/18	3/1/19	3/7/23
181	12-0N890	ORA	133	8.5	9.3	8	Extend the No. 4 lane on SBSR-133 from SB I-5 Connector & add a second lane to NB 405 Connector. In the City of Irvine, SB Rte 133 between I-405 and I-5.	San Diego Creek	-	-	-	2.41	2.4	-	SWPPP	TBD	2/8/19	6/4/20	4/6/21	5/30/24
182	12-0P940	ORA	133	3.3	4.1	9	Widening shoulders for Bikeway Class III, SCE utilities relocation, drainage improvements, and additional lane at El Toro / SR 133 intersection.	Laguna Canyon Channel	-	-	-	3	1.24	-	SWPPP	TBD	10/2/18	4/27/20	10/22/20	10/10/23
183	12-0P94U	ORA	133	3.1	4.3	9	Construct trapezoidal concrete channel adjacent to SB El Toro Rd to SR-73. Also, construct concrete buttress dam & detention basin adjacent to SB SR-133 to SB SR-73 on ramp. Extend existing earthen ditch adjacent to NB SR-133.	-	-	-	-	-	-	-	-	-	5/11/20	11/16/22	10/17/25	3/12/32
184	12-0Q360	ORA	133	3.1	4.3	9	Establish a detention basin, construct trapezoidal concrete channel along the southbound, and regrade the flow path to prevent flooding.	Laguna Canyon Channel	-	-	-	3	1.6	-	SWPPP	TBD	10/2/18	3/19/20	10/13/20	8/8/28
185	12-0Q670	ORA	133	0.96	3.42	9	In Laguna Beach, on SR 133 from Canyon Acres Drive to El Toro Road	Laguna Canyon Channel	-	-	-	3	1.6	-	SWPPP	BSW	12/14/20	6/15/22	4/12/23	7/31/25
186	12-0H246	ORA	142	4.7	4.8	8	Construct Debris Catchment Wall to Prevent Landslide Debris from Entering the Roadway in City of Brea on SR-142 Between PM 4.71/4.78	Carbon Canyon Creek	-	-	-	-	-	-	-	-	5/8/17	-	-	9/27/19

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		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
187	12-0N600	ORA	142	0.8	2.9	8	Resurface conventional highway lanes. EB/WB SR 142 from Imperial Hwy to Carbon Canyon, regional Park entrance/ Santa Fe Road.	Carbon Creek	-	-	-	0.1	0.1	-	WPCP	n/a	6/29/14	4/28/17	1/16/18	2/1/22
188	12-0N730	ORA	142	3.5	4.7	8	Address the issue of sediment being transported from adjacent to SR 142 to areas outside of State Right of Way, to comply with Department Storm Water Program. On Route 142 from PM 3.5 to PM 4.7	Carbon Canyon Creek	none	-	-	1.46	0	0	SWPPP	n/a	8/1/18	7/30/19		12/7/24
189	12-0C821	ORA	241	32.9	32.9	8	Construct D Street Overcrossing in Orange County. At the 241/261 IC	-	-	-	-	-	-	-	-	-	-	-	-	1/11/22
190	12-0G010	ORA	241	37.2	37.5	8	Weir Canyon Road IC Add Two Ramps on the South	-	-	-	-	-	-	-	-	-	11/15/05	-	-	9/23/21
191	12-0G012	ORA	241	18.5	22.5	8, 9	FTC SB Widening. Add One lane SB from S of Santa Margarita Pkwy to N of Bake Pkwy & Reestablish NB Aux Ln	-	-	-	-	-	-	-	-	-	1/11/06	-	-	1/9/24
192	12-0G850	ORA	241	38.4	38.4	8	Prepare PSR/PR, PS&E & Construction of Mountain Park Overcrossing on SR-241 in Orange County 1/2 Mile South of 241/91 Interchange	-	-	-	-	-	-	-	-	-	1/24/06	-	-	10/16/20
193	12-0H047	ORA	241	25	39	8	NB/SB Resurfacing of All Lanes and All On-Ramps, Off-Ramps Within the Project Limits in Anaheim From Portola Parkway to SR-91	Santiago Creek (R1)	-	No	No	0.1	0	0	WPCP	N/A	8/31/05	-	-	9/5/22
194	12-0J660	ORA	241	14.5	32.5	8, 9	Revegetation of Exposed Slopes for NPDES Concerns and Source Control.	Aliso Creek, Trabuco Creek, San Juan Creek	-	-	-	28	0.7	-	SWPPP	n/a	12/1/14	10/1/15	8/26/16	8/1/18
195	12-0J680	ORA	241	27.6	32.3	8	Construct Three General Purpose Lanes on SB SR-241 in Orange County on SR-241 Between SR-133 Confluence and 0.6 mile North of SR-261 Confluence.	Peters Canyon Wash, San Diego Creek	-	401	-	70	34.5	-	SWPPP	BSW, BST,	1/17/12	-	-	9/21/20
196	12-0N300	ORA	241	18.3	18.32	9	Improve Off Ramp Corner Sight Distance NB Rte 241 Off-Ramp to Santa Margarita Pkwy in the City of Santa Margarita.	-	-	-	-	-	-	-	-	-	10/2/17	12/1/17	8/1/18	6/1/20
197	12-0Q340	ORA	241	14.1	15.1	9	Construct Oso Parkway Interchange.	-	-	-	-	34.5	-	-	-	-	-	-	12/1/17	6/1/19

Table 6-1: District 12 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description ^{2,3}	Water Bodies Within or Adjacent to Project Limits ⁴	Dredge and Fill Activities (Y/N/NA) ⁵	Other Regional Water Board Permits Required ⁶	Potential and Actual Impacts of Project's Discharge ⁷	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) ⁸	Post-Construction Treatment Control Type, Quantity ⁹	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
198	12-0Q700	ORA	241	14.5	27.4	8, 9	Upgrade existing Metal Beam Guardrail (MBGR) with Midwest Guardrail System (MGS) and new Terminal Systems, Replace AC dikes and relocate electroliers.	-	-	-	-	-	-	-	-	-	7/5/17	2/8/18	6/1/18	12/10/19
199	12-0Q810	ORA	241	23.1	23.1	8	Construct Retaining Walls, Curb Ramps and Sidewalk	-	-	-	-	-	-	-	-	-	10/31/17	1/11/18	5/4/18	11/8/19
200	12-11102	ORA	241	0	13.8	9	Foothill Trans Corridor (South) Foothill Transportation Corridor (South) from Rte 5 to Oso Pkwy	-	-	-	-	-	-	-	-	-	12/30/18	-	-	1/7/21
201	12-0C820	ORA	261	0	0	8	E Orange IC Improvements New SR-241 SB On-Ramp, Widening & Grading Chapman Ave. In Orange @ SR 241/261 and Santiago Cyn Road	-	-	-	-	-	-	-	-	-	1/25/06	-	-	11/2/23
202	12-0H450	ORA	261	0	0.6	8	Selenium Treatment Facility	-	-	-	-	-	-	-	-	-	7/3/14	-	-	8/1/18
203	12-0J650	ORA	261	0	6.2	8	Revegetation of Exposed Slopes for NPDES Concerns and Source Control in Orange County - from Walnut Ave to Route 241	San Diego Creek-Reach 2	none	none	Pollutants of concern for the 303(d) waterbody	tbd	tbd	tbd	SWPPP	none	12/1/14	10/1/15	6/17/16	4/1/19
204	12-0Q130	ORA	261	0	0.24	8	Install double throe Beam Median Barrier. In Irvine between Walnut Ave. and Jamboree Rd.	Peters Canyon Channel	-	-	-	2.26	0	-	SWPPP	n/a	-	7/3/18	5/1/19	9/28/21
205	12-00542	ORA	405	6.8	7.6	8	Const HOV Drop Ramps 00540k Spl:005410/20/30 at Von Karman Ave OC at Von Karman Ave OC	-	-	-	-	-	-	-	-	-	7/2/19	6/30/20	11/15/20	11/14/24
206	12-00543	ORA	405	9.6	10.3	8	Const HOV Drop Ramp at Bear Street OC Br #55-0433 at Bear Street OC Br #55-0433	Santa Ana River	None	None	-	> 1.0 acre	-	-	-	-	7/2/19	4/15/20	11/15/20	11/14/24
207	12-09820	ORA	405	22.3	22.7	8	Widening Ramps, Ramp Intersections, and Bridge Approaches in Seal Beach Seal Beach Blvd OC	Federal Storm Channel	-	-	-	-	-	-	-	-	4/18/03	11/17/05	7/2/18	12/5/20
208	12-0C78U	ORA	405	12.63	15.13	8	Add Auxiliary lanes. On NB and SB 405, from Euclid to Warner on NB and SB 405, from Euclid to Warner	-	-	-	-	-	-	-	-	-	4/20/15	3/28/16	-	7/21/25
209	12-0E790	ORA	405	13.4	13.4	8	Widen OC in Fountain Valley at Talbert Ave OC/I-405	-	-	-	-	-	-	-	-	-	7/2/19	-	-	9/29/24

Table 6-1: District 12 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description ^{2,3}	Water Bodies Within or Adjacent to Project Limits ⁴	Dredge and Fill Activities (Y/N/NA) ⁵	Other Regional Water Board Permits Required ⁶	Potential and Actual Impacts of Project's Discharge ⁷	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) ⁸	Post-Construction Treatment Control Type, Quantity ⁹	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
210	12-0F240	ORA	405	0.9	1.5	8	Remove Existing Outside Shoulder, Construct Auxiliary Lane & Standard Shoulder in Irvine on Rte 405 from SR-133 to Irvine Center Dr	-	-	-	-	-	-	-	-	-	6/29/18	-	3/9/20	1/13/23
211	12-0H036	ORA	405	2.2	2.2	8	Widen Laguna Canyon Road Overcross in City of Irvine at Laguna Canyon Road	-	-	-	-	-	-	-	-	-	3/22/06	-	-	3/25/21
212	12-0H045	ORA	405	2.4	3.9	8	Construct aux lanes. In Irvine, on Rte. 405 SB at PM 2.4/2.9; between SR-133 and Sand Canyon Ave. and at PM 3.1/2.8; between Sand Canyon Ave. and University Dr./Jeffrey Rd.	San Diego Creek Reach 2	-	-	-	1.51	0.83	3.73%	SWPPP	TBD	3/22/16	2/16/17	9/21/17	8/30/19
213	12-0H046	ORA	405	11.4	16.9	8	Resurfacing of All Lanes and All On-Ramps and Off-Ramps Within the Project Limits on Route 405 from Harbor Blvd to Beach Blvd	-	-	-	-	-	-	-	-	-	7/1/17	-	1/1/19	2/4/21
214	12-0H100	ORA	405	10.2	24	8	One-Lane Widening in Each Direction & Adding Auxiliary Lanes at Various Locations I-405 Improvement Project From SR-73 To I-605	Santa Ana (R2), East Fountain Valley Channel, Ocean View Channel, East Garden Grove-Winterburg Channel, Westminster Channel, Newland Channel, Edinger Storm Drain, Anaheim-Barber City Channel, Milan Storm Drain, Bolsa Chica Channel.	-	401/404, 1601, R8-2009-0003	TBD	432 acres (based on Alt. 3)	104 acres (based on Alt. 3)	22% (based on Alt. 3)	SWPPP	TBD	6/16/15	-	11/14/16	8/25/26
215	12-0H242	ORA	405	20.8	24.2	8	Install Fiber Optic Cables, CCTV & Communication Equipment on I-405 & I-605 in City of Seal Beach & Rossmoor	-	-	-	-	-	-	-	-	-	4/20/17	2/13/18	-	1/29/21
216	12-0H320	ORA	405	2.4	2.9	8	Construct an Auxiliary Lane in SB Direction in City of Irvine from Sand Canyon Ave On-Ramp to SR-133	-	-	-	-	-	-	-	-	-	9/28/15	6/21/16	-	3/1/19

Table 6-1: District 12 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description ^{2,3}	Water Bodies Within or Adjacent to Project Limits ⁴	Dredge and Fill Activities (Y/N/NA) ⁵	Other Regional Water Board Permits Required ⁶	Potential and Actual Impacts of Project's Discharge ⁷	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) ⁸	Post-Construction Treatment Control Type, Quantity ⁹	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
217	12-0H770	ORA	405	4.1	4.4	8	Add 400 Meter Aux. Lane on SB I-405 & Widening the Off-Ramp to Provide a Two-Lane Exit in Orange County, City of Irvine at Jeffrey & University	-	-	-	-	-	-	-	-	-	11/7/17	5/21/18	12/26/18	4/21/21
218	12-0J440	ORA	405	0	24.178	8	Remove Existing HOV Buffer. Restripe Freeway to Provide a Continuous HOV Access, Standard General Purpose Lane & Shoulders in Orange County. I-5 in Irvine to I-605 in Seal Beach	Culver Storm Channel, San Diego Creek Reach 1 and Reach 2, Lane Channel, Santa Ana River Reach 1, East Garden Grove Wintersburg Channel, Anaheim Barber City Channel, Bolsa Chica Channel	-	-	-	0	0	0	WPCP	EXEMPT	1/31/14	12/24/19	-	4/19/22
219	12-0K710	ORA	405	0.2	8.7	8	Increase Capacity & Improve Ops. In Irvine, on Rte. 405 from I-5 to SR-55	Airport Channel, San Diego Creek	none	none	-	> 1.0 acre	-	-	-	-	2/2/18	4/15/20	4/16/21	7/24/24
220	12-0L910	ORA	405	7.5	7.8	8	Repair Slope Embankment & Distressed Asphalt Concrete Roadway On-Ramps. OC. In the City of Irvine on I-405 for NB & SB Macarthur On-Ramps.	-	-	-	-	-	-	-	-	-	7/29/16	1/31/17	11/29/17	6/13/19
221	12-0M350	ORA	405	2.6	6.5	8	Replace K-Rail & Extend SB Aux Lane. In Irvine, from 1700 S. of Sand Canyon to 2100 S. of Jamboree Rd.	Culver Storm Channel, San Joaquin Channel, Peters Canyon Channel, San Diego Creek	-	-	-	14.97	10.12	-	SWPPP	BSW, BTS	6/30/13	5/15/16	11/29/16	12/1/20
222	12-0M630	ORA	405	11.4	20.3	8	Gap Closure, Replace Temporary Railing (Type K) With Permanent Concrete Barrier. I-405 Between Jamboree Rd & Valley View Blvd.	Bolsa Chica Channel, Milan Storm Drain, Anaheim Barber Channel, Westminster Channel, East Garden Grove Wintersburg Channel	-	-	-	< 1.0	0	-	WPCP	n/a	8/1/17	7/1/18	12/29/18	2/14/21
223	12-0N230	ORA	405	6.917	6.917	8	Improve Interchange.	San Diego Creek	-	-	-	0.7	0.25	-	WPCP	n/a	6/15/14	-	-	3/2/21

Table 6-1: District 12 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description ^{2,3}	Water Bodies Within or Adjacent to Project Limits ⁴	Dredge and Fill Activities (Y/N/NA) ⁵	Other Regional Water Board Permits Required ⁶	Potential and Actual Impacts of Project's Discharge ⁷	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) ⁸	Post-Construction Treatment Control Type, Quantity ⁹	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
224	12-0N520	ORA	405	7.3	11.8	8	Relocate facilities away from traffic, construct roadside paving, access gates and trails to improve worker safety. I-405: In Irvine and Costa Mesa, from Von Karman to Harbor Blvd.	-	-	-	-	-	-	-	-	-	10/1/18	6/1/19	5/2/20	4/1/22
225	12-0N540	ORA	405	8.4	8.4	8	Stabilize embankment on Red Hill Avenue on the south side of I-405	-	-	-	-	-	-	-	-	-	10/1/14	2/12/15	10/14/15	7/9/19
226	12-0P080	ORA	405	16.9	24.2	8	Pavement Rehabilitation for I-405, within postmile 16.9 to 24.2 in Orange County, in the City of Westminster, Huntington Beach and Seal Beach, along Interstate 405.	-	-	-	-	-	-	-	-	-	9/2/17	9/2/19	9/3/20	1/2/23
227	12-0P110	ORA	405	19.012	19.012	8	Enhance safety by improving HFST, Safety Lighting, and bring Guardrail to standard. SB 405 on-ramp from Westminster Avenue in the City of Westminster.	-	-	-	-	-	-	-	-	-	7/10/19	2/10/21	9/16/22	6/19/24
228	12-0P120	ORA	405	16.384	16.384	8	HSFT, Optical Speed Bars, Guardrail. Route 405 NB Off Ramp to SB Route 39 in Huntington Beach.	-	-	-	-	-	-	-	-	-	5/1/16	7/1/17	2/27/18	6/4/19
229	12-0P220	ORA	405	6.9	10.3	8	Gap Closure, replace temporary railing (Type K) with perm. conc. barrier. In Irvine, Santa Ana, & Costa Mesa, I-405 between Jamboree Rd. & Valley View Blvd.	Santa Ana Delhi Channel	-	-	-	0.196	0	-	WPCP	n/a	7/7/17	7/25/18	3/8/19	6/8/21
230	12-0P400	ORA	405	5.831	5.831	8	Modify existing signals, install high visibility LED for improved visibility, refresh pavement delineation, and ADA if needed. On Route 405 SB off Culver Drive, in the City of Irvine.	Culver Storm Channel	-	-	-	0.1	0.05	-	WPCP	-	3/1/18	1/4/19	8/29/19	6/4/21
231	12-0P600	ORA	405	24.11	24.11	8	Place rock protection around Piers 3 and 4 flush to permanently resolve scour issues. On State Route 405 at the S I-405/N I-605 Connector OC bridge 55-0413F.	San Gabriel River	yes	401/404	-	1.74	0	-	SWPPP	n/a	-	3/29/21	2/27/24	-
232	12-0P990	ORA	405	5.73	5.73	8	Modify signals, widen shoulder, improve drainage, refresh pavement delineation and ADA.	-	-	-	-	-	-	-	-	-	-	-	-	-
233	12-10911	ORA	405	4.7	4.7	8	Widen OC in Irvine at Yale Ave POC	-	-	-	-	-	-	-	-	-	4/9/93	-	8/1/18	9/14/21

Table 6-1: District 12 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description ^{2,3}	Water Bodies Within or Adjacent to Project Limits ⁴	Dredge and Fill Activities (Y/N/NA) ⁵	Other Regional Water Board Permits Required ⁶	Potential and Actual Impacts of Project's Discharge ⁷	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) ⁸	Post-Construction Treatment Control Type, Quantity ⁹	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
234	12-0K870	ORA	605	0.96	1.64	8	Improve Freeway Access & Arterial Connection to I-605. In the cities of Alamitos & Cypress on I-605	San Gabriel River	-	-	-	5.3 Alt 2; 8.0 Alt 3	1.12/ 2.08	-	SWPPP	TBD	6/28/17	1/28/19	2/4/20	11/15/22
235	12-08200	ORA	VAR	-	-	8	Modify Ramp in Orange at La Veta Ave/Town & Country Rd IC	-	-	-	-	-	-	-	-	-	5/24/16	5/12/17	11/1/17	10/31/19
236	12-09321	ORA	VAR	-	-	8	Aux Lane. In Irvine, From NB Jeffery Rd/University Dr. Loop On-Ramp to 1,400 feet S. of Culver Dr. Off-Ramp.	-	-	-	-	-	-	-	-	-	8/1/19	9/8/2020	9/29/21	9/20/24
237	12-09800	ORA	VAR	-	-	8	Relocate SB I-5 On & Off Ramps Realign Frontage Rd Install Signals Drainage Landscape & R/W in Laguna Hills SB On & Off Ramps El Toro Rd PM 18.7 Avenida De Carlota Ramp Relocation	-	-	-	-	-	-	-	-	-	1/11/17	8/15/19	2/7/20	12/30/23
238	12-0A950	ORA	VAR	11.5	11.5	8	Caltrans Maintenance Facility SR 133 at Rte. 5 and Marine Way	-	-	-	-	-	-	-	-	-	8/4/17	10/1/18	12/6/18	10/8/20
239	12-0E620	ORA	VAR	-	-	8	Extend 1 Auxiliary Lane SB I-5 Laguna Hills at Alicia Pkwy	-	-	-	-	-	-	-	-	-	6/17/16	3/2/17	-	6/25/20
240	12-0E972	ORA	VAR	0	0	8	Construction of D-12 Equipment Service Center (PS&E, Construction)	San Diego Creek	none	none	none	8.0 acres	6.7 acres	83%	SWPPP	2 BSWS	9/12/07	12/1/10	2/12/18	10/6/20
241	12-0G260	ORA	VAR	29.6	31.1	8	Route 5/Route 55 Interchange Improvement in Santa Ana and Tustin on Route 5 From Newport Blvd/4th St. & Rte 55	-	-	-	-	-	-	-	-	-	8/1/05	2/4/20	-	8/8/22
242	12-0H026	ORA	VAR	0.3	13.6	8	In Irvine, Laguna Beach from SR-1 to Oso Creek. Capital Preventive Maintenance for Pavement Preservation SR-133	-	-	-	-	-	-	-	-	-	8/17/2005	-	-	2/1/2020
243	12-0K470	ORA	VAR	-	-	8	On I-5 at Alton Parkway in the City of Irvine. Widening of Alton Parkway overcrossing at I-5	-	-	-	-	-	-	-	-	-	6/30/17	-	-	5/25/20
244	12-0N070	ORA	VAR	0	0	8	OGFC, Groove, HFST, Polyester Concrete.	-	-	-	-	-	-	-	-	-	6/26/14	10/15/15	6/30/16	8/31/18

Table 6-1: District 12 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description ^{2,3}	Water Bodies Within or Adjacent to Project Limits ⁴	Dredge and Fill Activities (Y/N/NA) ⁵	Other Regional Water Board Permits Required ⁶	Potential and Actual Impacts of Project's Discharge ⁷	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) ⁸	Post-Construction Treatment Control Type, Quantity ⁹	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
245	12-0P490	ORA	VAR	0	0	8	Resurface at various ramps. In Costa Mesa, SR55 @ SB55/SB405 connector. In Irvine, 405 @ MacArthur to 55/405 IC, SB 55/Airport exit. In Orange, Anaheim, on 57 from 22 to Toner Canyon and VAR ramps; RR 0.1' RHMA "G"	-	-	-	-	-	-	-	-	-	1/7/16	12/31/15	6/3/16	8/1/18
246	12-0P720	ORA	VAR	0	0	8	On SR-55- HFST Overlay, safety lighting, optical speed bars, ADA to standard, high visibility striping. On SR-91- OGAC resurfacing, pavement delineation, slope stabilization, ADA ramps, guard rail enhancement as needed. In City of Tustin on Rte. 55 SB off to Lincoln and in the City of Orange on Rte. 91 EB off to Tustin Ave.	-	-	-	-	0.4	0	-	WPCP	n/a	-	2/1/18	1/2/19	9/1/20
247	12-0Q390	ORA	VAR	0	0	8	Upgrade to current Seismic Standard by strengthening both bridge substructure and superstructure components. Rte. 55, Rte. 91 and Rte. 405	-	-	-	-	-	-	-	-	-	3/2/20	3/15/22	10/31/22	7/1/25

Treatment Control Status Legend	
BMP Device Types:	
BIOSTP	Biofiltration Strips
BIOSWL	Biofiltration Swales
C	Under Consideration
CNTBOX	Gross Solids Removal Devices (Inclined Screen)
DETBAS	Detention Basins
DPPIA	Design Pollution Prevention Infiltration Area*
DWFD	Dry Weather Flow Diversion
E	Exempt
INDBAS	Infiltration Basins*
INDTRE	Infiltration Trench*
LNGTBE	Gross Solids Removal Devices (Linear Radial)
MCTT	Multi-Chambered Treatment Trains
MF-ADS	Austin Sand Filters
MF-DSF	Delaware Sand Filters
Other	Other (specify type)
SA	Stabilization Areas
TRCSND	Traction Sand Traps
WETBAS	Wet Basins

* Water quality volume (WQV) infiltrates within the right-of-way. (When this is demonstrated for at least 90 percent of the WQV, other types of treatment BMPs are not considered unless there is a location-specific requirement.)

Table 6- lists the planned maintenance projects that will disturb soil.

Table 6-2: District 12 Anticipated Significant Road Maintenance Activities

No.	Co.	Route	Beg PM	End PM	Regional Board	Description	Water Bodies Affected ¹⁰	Other Regional Water Board Permits Required ¹¹	Potential and Actual Impacts of Project's Discharge ¹²	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/ TBD/NA) ¹³	Post-Construction Treatment Control Type, Quantity ¹⁴	Start Date	Completion Date
NONE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Treatment Control Status Legend	
BMP Device Types:	
BIOSTP	Biofiltration Strips
BIOSWL	Biofiltration Swales
C	Under Consideration
CNTBOX	Gross Solids Removal Devices (Inclined Screen)
DETBAS	Detention Basins
DPPIA	Design Pollution Prevention Infiltration Area*
DWFD	Dry Weather Flow Diversion
E	Exempt
INDBAS	Infiltration Basins*
INDTRE	Infiltration Trench*
LNGTBE	Gross Solids Removal Devices (Linear Radial)
MCTT	Multi-Chambered Treatment Trains
MF-ADS	Austin Sand Filters
MF-DSF	Delaware Sand Filters
Other	Other (specify type)
SA	Stabilization Areas
TRCSND	Traction Sand Traps
WETBAS	Wet Basins

* WQV infiltrates within the right-of-way. (When this is demonstrated for at least 90 percent of the WQV, other types of treatment BMPs are not considered unless there is a location-specific requirement.)

¹⁰ Receiving waters within or adjacent to maintenance activity designated as “303(d) (constituent type).” Activity adjacent to Drinking Water Reservoir or Groundwater Recharge Facilities designated as “DW.”
¹¹ Regional Water Board Permits required other than CGP, such as Clean Water Act Section 401 water quality certification, Waiver of Discharge Requirements, Dewatering Permits, Bridge Painting WDRs, etc.
¹² This information may come from the Water Quality Assessment Report prepared for each project, a Water Quality Technical Memorandum, or other document that evaluates the water quality impacts of a project.
¹³ A description of the Construction Controls is available in the project’s SWPPP, WPCP, is To Be Determined (TBD) if the Disturbed Soil Area is unavailable, or is Not Applicable (NA) because there is no Disturbed Soil Area associated with the project.
¹⁴ Treatment Control Status identified by: device type/number of devices, exempt (“E”), or under consideration (“C”). See Treatment Control Status Legend below for device type abbreviations.

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Table 6- lists the District’s planned monitoring activities.

Table 6-3: District 12 Monitoring Activities

Statewide Monitoring Program Activities
The District plans to: <ul style="list-style-type: none">• Conduct monitoring activities in accordance with the statewide 3-year Stormwater Action Plan Supporting Study as described in the Stormwater Monitoring Plan.
<i>TMDL Monitoring Sites</i>
<ul style="list-style-type: none">• SR 73 Austin Sand Filter and Bioretention Basin:<ul style="list-style-type: none">○ San Diego Creek and Newport Bay, including Rhine Channel (Metals (Cu, Pb, and Zn)) TMDL○ San Diego Creek and Upper Newport Bay (Cadmium) TMDL○ San Diego Watershed (Organochlorine Compounds, (DDT, Chlordane, PCBs, and Toxaphene)) TMDL

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7 Region-Specific Activities

Section 7 of the DWP identifies the applicable region-specific activities that District 12 has planned for the fiscal year 2018-19 to comply with Attachment V of the Conformed NPDES Permit. District 12 has not been identified in Attachment V of Order 2012-0011-DWQ and does not have other region-specific requirements.

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8 DWP Noncompliance and Improvements

Section 8 of the DWP identifies the deviations that occurred from the prior DWP that resulted or will result in noncompliance with the Conformed NPDES Permit or SWMP. In addition, it describes the improvements that were performed in response to the incidents of noncompliance. Table 8-1 identifies those incidents of noncompliance and the resulting improvements that District 12 implemented to address each incident.

Table 8-1: District 12 Prior DWP Noncompliance Incidents and Improvements

Summary of Noncompliance Incidents	Summary of Improvements
The Santa Ana RWQCB sent a letter indicating that the District failed to meet with the RWQCB staff on an annual basis per Provision E.3.b of Caltrans NPDES Permit.	In response to the letter, District staff met with the Santa Ana RWQB on January 4, 2017, to discuss the workplan and meet Provision E.3.b of the Permit.

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